

843 Response to Request for Quotation

Functional Group ID=**RR**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Response to Request for Quotation Transaction Set (843) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide potential buyers with price, delivery schedule, and other terms from potential sellers of goods and services, in response to a request for such information.

Notes:

1. Provide all mandatory and required segments, data elements, and codes for an offeror to adequately prepare a proposal, quote, or bid. As a general rule, provide any information when it differs from the originating Request for Quotation.

2. This implementation convention can be used to provide a quote in response to an Request for Quote (RFQ), a bid in response to an Invitation for Bid (IFB), a proposal in response to a Request for Proposal (RFP) or information in response to a Request for Information (RFI). For simplicity, the term offer will be used in this convention for all the above.

Heading:

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>	<u>Notes and</u> <u>Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BQR	Beginning Segment for Response to Request for Quotation	M	1		
	040	CUR	Currency	O	1		
Not Used	050	REF	Reference Identification	O	>1		
Not Used	060	PER	Administrative Communications Contact	O	3		
Not Used	070	TAX	Tax Reference	O	3		
	080	FOB	F.O.B. Related Instructions	O	>1		
Not Used	090	CTP	Pricing Information	O	>1		
Not Used	095	PAM	Period Amount	O	10		
Not Used	110	CSH	Sales Requirements	O	25		
	120	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
Not Used	140	DIS	Discount Detail	O	20		
	150	DTM	Date/Time Reference	O	10		
Not Used	180	LIN	Item Identification	O	5		n1
Not Used	190	PID	Product/Item Description	O	200		
	200	MEA	Measurements	O	40		

	210	PWK	Paperwork	O	25
Not Used	220	PKG	Marking, Packaging, Loading	O	25
Not Used	230	TD1	Carrier Details (Quantity and Weight)	O	2
Not Used	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	250	TD3	Carrier Details (Equipment)	O	12
Not Used	260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	270	MAN	Marks and Numbers	O	10
	280	CTB	Restrictions/Conditions	O	5
Not Used	285	CPR	Commodity Price Reference	O	2
	286	PCT	Percent Amounts	O	>1
LOOP ID - N9					1000
	290	N9	Reference Identification	O	1
	295	DTM	Date/Time Reference	O	>1
	300	MSG	Message Text	O	1000
LOOP ID - N1					10000
	310	N1	Name	O	1
Not Rec	320	N2	Additional Name Information	O	2
Not Rec	330	N3	Address Information	O	2
	340	N4	Geographic Location	O	1
	350	REF	Reference Identification	O	12
	360	PER	Administrative Communications Contact	O	>1
Not Used	365	SI	Service Characteristic Identification	O	>1
Not Used	370	FOB	F.O.B. Related Instructions	O	1
Not Used	380	TD1	Carrier Details (Quantity and Weight)	O	2
Not Used	390	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	400	TD3	Carrier Details (Equipment)	O	12
Not Used	410	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	420	PKG	Marking, Packaging, Loading	O	25
Not Used	430	MSG	Message Text	O	>1
LOOP ID - AMT					>1
	440	AMT	Monetary Amount	O	1
Not Used	450	PCT	Percent Amounts	O	>1
LOOP ID - ADV					>1
Not Used	460	ADV	Advertising Demographic Information	O	1
Not Used	470	DTM	Date/Time Reference	O	>1
Not Used	480	MTX	Text	O	>1
LOOP ID - LDT					>1
	510	LDT	Lead Time	O	1
Not Used	520	QTY	Quantity	O	>1
Not Used	530	MTX	Text	O	>1

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PO1			100000	
	010	PO1	Baseline Item Data	O	1		
	015	LIN	Item Identification	O	>1		
Not Used	020	CUR	Currency	O	1		
	030	PO3	Additional Item Detail	O	25		
	040	CTP	Pricing Information	O	>1		
Not Used	045	PAM	Period Amount	O	10		
	049	MEA	Measurements	O	40		
			LOOP ID - PID			1000	
	050	PID	Product/Item Description	O	1		
Not Used	060	MEA	Measurements	O	10		
	070	PWK	Paperwork	O	25		
	080	PKG	Marking, Packaging, Loading	O	25		
	090	PO4	Item Physical Details	O	>1		
Not Used	100	REF	Reference Identification	O	>1		
Not Used	110	PER	Administrative Communications Contact	O	3		
	130	SAC	Service, Promotion, Allowance, or Charge Information	O	25		
Not Used	140	IT8	Conditions of Sale	O	25		
Not Used	142	CSH	Sales Requirements	O	>1		
Not Used	150	ITD	Terms of Sale/Deferred Terms of Sale	O	2		
Not Used	160	DIS	Discount Detail	O	20		
Not Used	170	TAX	Tax Reference	O	3		
	180	FOB	F.O.B. Related Instructions	O	>1		
Not Used	190	SDQ	Destination Quantity	O	50		
	200	DTM	Date/Time Reference	O	10		
Not Used	230	FST	Forecast Schedule	O	5		
Not Used	240	TD1	Carrier Details (Quantity and Weight)	O	1		
	250	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	260	TD3	Carrier Details (Equipment)	O	12		
	270	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
Not Used	280	MAN	Marks and Numbers	O	10		
	286	PCT	Percent Amounts	O	>1		
Not Rec	287	MSG	Message Text	O	>1		
	288	CTB	Restrictions/Conditions	O	5		
	289	SPI	Specification Identifier	O	>1		
			LOOP ID - QTY			>1	
Not Used	290	QTY	Quantity	O	1		
Not Used	291	SI	Service Characteristic Identification	O	>1		
			LOOP ID - SCH			104	
Not Used	292	SCH	Line Item Schedule	O	1		n2
Not Used	293	TD1	Carrier Details (Quantity and Weight)	O	1		
Not Used	294	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		

Not Used	296	TD3	Carrier Details (Equipment)	O	12
Not Used	298	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	299	REF	Reference Identification	O	>1
LOOP ID - CST					100
Not Used	300	CST	Cost Analysis	O	1
Not Used	310	PID	Product/Item Description	O	1
Not Used	320	CUR	Currency	O	1
Not Used	330	DTM	Date/Time Reference	O	2
LOOP ID - SLN					1000
Not Used	340	SLN	Subline Item Detail	O	1
Not Used	345	MSG	Message Text	O	>1
Not Used	350	PID	Product/Item Description	O	1000
Not Used	355	ADV	Advertising Demographic Information	O	>1
LOOP ID - QTY					>1
Not Used	356	QTY	Quantity	O	1
Not Used	357	SI	Service Characteristic Identification	O	>1
LOOP ID - CST					100
Not Used	360	CST	Cost Analysis	O	1
Not Used	370	PID	Product/Item Description	O	1
Not Used	380	CUR	Currency	O	1
Not Used	390	DTM	Date/Time Reference	O	2
LOOP ID - PD					>1
	392	PD	Pricing Data	O	1
	393	PDD	Pricing Data Detail	O	>1
LOOP ID - LDT					>1
	394	LDT	Lead Time	O	1
Not Used	395	QTY	Quantity	O	>1
	396	MSG	Message Text	O	1
LOOP ID - LM					>1
	397	LM	Code Source Information	O	1
Must Use	398	LQ	Industry Code	M	>1
LOOP ID - N9					1000
	400	N9	Reference Identification	O	1
	405	DTM	Date/Time Reference	O	>1
	410	MSG	Message Text	O	1000
LOOP ID - N1					>1
	420	N1	Name	O	1
Not Rec	430	N2	Additional Name Information	O	2
Not Rec	440	N3	Address Information	O	2
	450	N4	Geographic Location	O	1
Not Used	455	QTY	Quantity	O	>1
Not Used	460	REF	Reference Identification	O	12
	470	PER	Administrative Communications Contact	O	3
Not Used	475	SI	Service Characteristic Identification	O	>1

Not Used	476	DTM	Date/Time Reference	O	1
Not Used	480	FOB	F.O.B. Related Instructions	O	1
	485	SCH	Line Item Schedule	O	200
Not Used	490	TD1	Carrier Details (Quantity and Weight)	O	2
Not Used	500	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	510	TD3	Carrier Details (Equipment)	O	12
Not Used	520	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	530	PKG	Marking, Packaging, Loading	O	25
LOOP ID - LDT					>1
	550	LDT	Lead Time	O	1
Not Used	560	MAN	Marks and Numbers	O	10
	570	QTY	Quantity	O	5
Not Used	580	MSG	Message Text	O	1
LOOP ID - AMT					>1
	590	AMT	Monetary Amount	O	1
Not Used	600	PCT	Percent Amounts	O	>1

Summary:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
LOOP ID - CTT					1	
010	CTT	Transaction Totals	O	1		n3
015	AMT	Monetary Amount	O	1		
Must Use	020	SE	Transaction Set Trailer	M	1	

Transaction Set Notes

1. If segment LIN is used, do not use LIN01.
2. The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.
3. Number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 843 Response to Request for Quotation	M ID 3/3
Must Use	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <i>This unique control number is assigned by the originator of the transaction set or by the originator's application program. This same number is carried in SE02.</i>	M AN 4/9

Segment: **BQR** Beginning Segment for Response to Request for Quotation
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a Response to Request for Quote Transaction Set and transmit identifying numbers and dates
Syntax Notes: 1 If either BQR04 or BQR05 is present, then the other is required.
Semantic Notes: 1 BQR03 is the date to be used for reference purposes in an RFQ and a response to RFQ.
Comments:

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	BQR01	353 Transaction Set Purpose Code	M ID 2/2

Code identifying purpose of transaction set

Use to identify the purpose of transaction set.

00 Original

1. Use to indicate the submission of an initial offer and alternate offers. When an alternate offer is submitted, BQR06 must cite code AB.

2. When submitting an offer (either an initial offer or alternate offers), the 2/N9/290 segment is REQUIRED with N901 citing code PR.

3. When an amendment to a previous offer is submitted, DO NOT USE THIS CODE. USE CODE 05.

01 Cancellation

Use to indicate a cancellation of a previously submitted offer. When used, the 2/N9/290 segment is REQUIRED with code PR cited in N901. Code 2G in N907 also may be required if the cancellation is for an amended offer.

05 Replace

Use to indicate an amended offer. When submitting an amended offer (either an amendment to an initial offer or to an alternate offer), the 2/N9/290 segment is REQUIRED with code PR cited in N901 and code 2G cited in N907.

07 Duplicate

			<i>Use to indicate that this is a duplicate offer.</i>	
Must Use	BQR02	586	Request for Quote Reference Number	M AN 1/45
			Number assigned by the purchaser to identify his request for quote	
			<i>1. Use to identify the solicitation number to which this transaction set is responding. If amendments to the solicitation have been issued, the solicitation number and the last amendment number will be concatenated.</i>	
			<i>2. Use also to identify the contract number of an undefinitized contract action (UCA) to which this transaction set is responding. If the UCA is a call, release, or delivery order against a basic award instrument (BEG02 is code RL), concatenate the basic award instrument number with the call, release or delivery order number. When BEG02 in the 850 transaction set is code RL, concatenate the basic award instrument number from BEG03 with the call, release or delivery order number from BEG04. In this situation, cite code RE in BQR06.</i>	
Must Use	BQR03	373	Date	M DT 8/8
			Date expressed as CCYYMMDD	
			<i>Use to indicate the date of a solicitation. If amendments to the solicitation have been issued, cite the date of the last amendment.</i>	
	BQR04	374	Date/Time Qualifier	X ID 3/3
			Code specifying type of date or time, or both date and time	
			098	Bid (Effective)
			<i>Use to indicate the date the offer is being submitted.</i>	
			171	Revision
			<i>When BQR01 is code 05, use to indicate the date an amended offer is being submitted.</i>	
			177	Cancellation
			Date on which the coverage or service is no longer in force	
			<i>When BQR01 is code 01, use to indicate the date an offer is being canceled.</i>	
	BQR05	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
	BQR06	379	Bid Type Response Code	O ID 2/2
			Code indicating the type of response to the request for bid or quote	
			AB	Alternate Bid
			<i>Use to indicate a substitute product is being offered. Cite code 00 in BQR01 and code PR in N901 of the 1/ N9/290 segment.</i>	
			BF	Best and Final
			<i>Use to indicate this offer represents the offeror's Best and Final offer.</i>	

BI	Bid Without Exception
	<i>When this code is used, only the mandatory segments, required data elements, and segments to provide pricing, cost information, certifications, representations, or fill-in information are necessary.</i>
BW	Bid With Exception (Request for Information)
	<i>When possible, exceptions should be provided within the transaction set, e.g., delivery exceptions, packaging exceptions, etc. When not possible, use either the 1/N9/290 or 2/N9/400 loop (using code KT in N901) to provide the exceptions.</i>
DQ	Decline to Quote
	<i>Use the 1/N9/290 loop (using code 55 in N901) to explain.</i>
RE	Replacement
	<i>Use to indicate an offer in response to an undefinitized action.</i>
RT	Request for Time Extension
	<i>Use to indicate the offeror is requesting a time extension to submit the offer. When used to request an extension for all line items, only the mandatory segments and the 1/DTM/150 segment, code 992, need be transmitted. When used to request an extension for individual line items, only the mandatory segments, the applicable 2/PO1/010 segment (PO101 only) and the 2/DTM/200 segment (with DTM01 citing code 992) need be transmitted.</i>
UQ	Unable to Quote
	<i>Use the 1/N9/290 loop (using code 55 in N901) to explain.</i>

BQR07 786 Security Level Code O ID 2/2

Code indicating the level of confidentiality assigned by the sender to the information following

Use to identify the highest level of government security classification or commercial protection applicable to the offer. If the offer has both a government security classification and a commercial protection level that applies, the government security classification takes precedence and shall be cited in this data element. The commercial protection level applicable to specific items within the offer can be identified in the 2/SPI/291 segment.

06	Supplier Proprietary
11	Competition Sensitive
92	Government Confidential

93 Government Secret
94 Government Top Secret

Not Used BQR08 327 Change Order Sequence Number O AN 1/8
Number assigned by the orderer identifying a specific change or revision
to a previously transmitted transaction set

Segment: **CUR** Currency

Position: 040

Loop:

Level: Heading

Usage: Optional

Max Use: 1

Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Syntax Notes:

- 1 If CUR08 is present, then CUR07 is required.
- 2 If CUR09 is present, then CUR07 is required.
- 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
- 4 If CUR11 is present, then CUR10 is required.
- 5 If CUR12 is present, then CUR10 is required.
- 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
- 7 If CUR14 is present, then CUR13 is required.
- 8 If CUR15 is present, then CUR13 is required.
- 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
- 10 If CUR17 is present, then CUR16 is required.
- 11 If CUR18 is present, then CUR16 is required.
- 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
- 13 If CUR20 is present, then CUR19 is required.
- 14 If CUR21 is present, then CUR19 is required.

Semantic Notes:

Comments: 1 See Figures Appendix for examples detailing the use of the CUR segment.

- Notes:**
1. *Use this segment when the quote is in other than US dollars or payment in other than US dollars is being requested.*
 2. *When this segment is only used to identify the currency in which the quote is being submitted, cite code C5 in CUR01, and the quote currency in CUR02.*
 3. *When this segment is only used to request payment in other than US dollars, cite code PR in CUR01 and the requested payment currency in CUR02.*
 4. *If the offer is being submitted and payment is being requested in other than US dollars, cite code C5 in CUR01, the offer currency in CUR02, code PR in CUR04, and the requested payment currency in CUR05.*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	CUR01	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		C5	Party Submitting Quote
			A business entity submitting a quote; this entity may be the party who ultimately performs if an order is received, or the entity may be submitting the quote

				on behalf of another entity who will perform if an order is received	
				<i>Use to indicate the selling party is submitting a quote in other than US currency.</i>	
			PR	Payer	
				<i>Use to indicate the quoting party is requesting payment in other than US currency.</i>	
Must Use	CUR02	100	Currency Code	M	ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified		
			<i>1. When CUR01 is code C5 use to identify the currency in which the quote is being submitted.</i>		
			<i>2. When CUR01 is code PR, use to identify the currency in which payment is requested.</i>		
Not Used	CUR03	280	Exchange Rate	O	R 4/10
			Value to be used as a multiplier conversion factor to convert monetary value from one currency to another		
	CUR04	98	Entity Identifier Code	O	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			PR	Payer	
				<i>Use to indicate the quoting party is requesting payment in other than US currency.</i>	
	CUR05	100	Currency Code	O	ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified		
			<i>Use to identify the currency in which payment is requested, if other than US dollars.</i>		
Not Used	CUR06	669	Currency Market/Exchange Code	O	ID 3/3
			Code identifying the market upon which the currency exchange rate is based		
Not Used	CUR07	374	Date/Time Qualifier	X	ID 3/3
			Code specifying type of date or time, or both date and time		
Not Used	CUR08	373	Date	O	DT 8/8
			Date expressed as CCYYMMDD		
Not Used	CUR09	337	Time	O	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
Not Used	CUR10	374	Date/Time Qualifier	X	ID 3/3

			Code specifying type of date or time, or both date and time	
Not Used	CUR11	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
Not Used	CUR12	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
Not Used	CUR13	374	Date/Time Qualifier	X ID 3/3
			Code specifying type of date or time, or both date and time	
Not Used	CUR14	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
Not Used	CUR15	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
Not Used	CUR16	374	Date/Time Qualifier	X ID 3/3
			Code specifying type of date or time, or both date and time	
Not Used	CUR17	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
Not Used	CUR18	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
Not Used	CUR19	374	Date/Time Qualifier	X ID 3/3
			Code specifying type of date or time, or both date and time	
Not Used	CUR20	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
Not Used	CUR21	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	

Segment:	FOB F.O.B. Related Instructions
Position:	080
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify transportation instructions relating to shipment
Syntax Notes:	<ol style="list-style-type: none"> 1 If FOB03 is present, then FOB02 is required. 2 If FOB04 is present, then FOB05 is required. 3 If FOB07 is present, then FOB06 is required. 4 If FOB08 is present, then FOB09 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 FOB01 indicates which party will pay the carrier. 2 FOB02 is the code specifying transportation responsibility location. 3 FOB06 is the code specifying the title passage location. 4 FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.
Comments:	
Notes:	<p><i>1. Use this segment to identify the FOB point for a Blanket Purchase Agreement, Basic Ordering Agreement, Indefinite Delivery type instrument, or other award instruments against which delivery orders will be placed when such instruments will not specify the FOB point by line item. For all other types of award instruments, use the 2/FOB/180 segment and identify the FOB point by line item.</i></p> <p><i>2. If the FOB point varies by delivery zone or destinations within a delivery zone, use the 1/N1/310 loop citing code DZ in N101, identify the delivery zone in N103/104 citing code ZN in N103 and identify the FOB point in N405/406.</i></p> <p><i>3. This segment is not used when the offer is for construction or a service without deliverables.</i></p> <p><i>4. Use this segment when the offer differs from the solicitation requirements or to provide information essential to the offer.</i></p>

Data Element Summary				
	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	FOB01	146	Shipment Method of Payment	M ID 2/2
			Code identifying payment terms for transportation charges	
			DF	Defined by Buyer and Seller
				<i>Use this code only to satisfy the mandatory nature of this data element. The receiving application should not process this data. FOB terms are defined in the FOB FAR clause.</i>
	FOB02	309	Location Qualifier	X ID 1/2

Code identifying type of location

Use to identify the FOB point.

DE Destination (Shipping)
 OA Origin (After Loading on Equipment)
Use to indicate FOB Origin with transportation charges prepaid by the seller and added as a separate item to the invoice. See FAR clause 52.247-32.

OR Origin (Shipping Point)
 TM Terminal

1. Use to indicate that the FOB point for delivery outside the continental United States is located at a transportation terminal and not at origin or destination. FAR clauses 52.247-38, 52.247-39, or a similar FAR clause may apply.

2. When used, identify the FOB point in FOB03.

W Worldwide Geographic Location Code
Use to indicate the FOB point for deliveries within the continental United States is destination and the FOB point for deliveries outside the continental United States is origin.

	FOB03	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	
			<i>When FOB02 is code TM, use to identify the location of the FOB point. Cite the 5 position United Nations code for ports and other locations (UN/LOCODE) in accordance with the United Nations Location Code Manual.</i>	
Not Used	FOB04	334	Transportation Terms Qualifier Code	O ID 2/2
			Code identifying the source of the transportation terms	
Not Used	FOB05	335	Transportation Terms Code	X ID 3/3
			Code identifying the trade terms which apply to the shipment transportation responsibility	
Not Used	FOB06	309	Location Qualifier	X ID 1/2
			Code identifying type of location	
Not Used	FOB07	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	
Not Used	FOB08	54	Risk of Loss Code	O ID 2/2
			Code specifying where responsibility for risk of loss passes	
Not Used	FOB09	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their	

content

Segment:	SAC Service, Promotion, Allowance, or Charge Information
Position:	120
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	25
Purpose:	To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of SAC02 or SAC03 is required. 2 If either SAC03 or SAC04 is present, then the other is required. 3 If either SAC06 or SAC07 is present, then the other is required. 4 If either SAC09 or SAC10 is present, then the other is required. 5 If SAC11 is present, then SAC10 is required. 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required. 7 If SAC14 is present, then SAC13 is required. 8 If SAC16 is present, then SAC15 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required. 2 SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence. 3 SAC08 is the allowance or charge rate per unit. 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge. 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used. 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion. 7 SAC16 is used to identify the language being used in SAC15.
Comments:	<ol style="list-style-type: none"> 1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02. 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.
Notes:	<ol style="list-style-type: none"> 1. <i>Use this segment to identify prices and, if applicable, quantities, for services or non-CLIN charges (e.g., taxes) identified in the solicitation that apply to all of the line items. If the price for the services or non-CLIN charges vary by line item, use the 2/SAC/130 segment.</i> 2. <i>Codes used in SAC02 at this location, may not be used in the 2/SAC/130 segment.</i> 3. <i>Use this segment when the offer differs from the solicitation requirements or to provide information essential to the offer.</i>

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	SAC01	248	Allowance or Charge Indicator	M ID 1/1
Code which indicates an allowance or charge for the service specified				
			A	Allowance
			<i>Use to indicate an allowance or a discount.</i>	
			C	Charge
			N	No Allowance or Charge
			<i>Use to indicate there is no charge for the service specified SAC02.</i>	
	SAC02	1300	Service, Promotion, Allowance, or Charge Code	X ID 4/4
Code identifying the service, promotion, allowance, or charge				
<i>Use any code. The following is a list of preferred codes:</i>				
<i>A310 Air Express Charge</i>				
<i>A320 Air Transportation Charge</i>				
<i>A480 Assembly</i>				
<i>B180 Cleaning Charge</i>				
<i>B870 Customs Charge</i>				
<i>B940 Cutting Charge</i>				
<i>C000 Defective Allowance</i>				
<i>C240 Disconnect Charge</i>				
<i>C260 Discount - Incentive</i>				
<i>Use to indicate that the contractor offers a discount when payment is made using the government credit card. Identify the discount as a total monetary value in SAC05, or as a percent in SAC06/07, or as a monetary rate in SAC08.</i>				
<i>C300 Discount - Special</i>				
<i>Use to indicate an incremental quantity discount. An incremental quantity discount applies only to the quantity units within its specified range. Successive incremental discounts are applied against a total order quantity. For example, if different discounts are given for quantities, 1 - 10, 11 - 20, 21 - 30, etc., use of this code implies that for a quantity of 25, the first discount applies to the first 10 units, the second discount applies to the next 10 units and the third discount applies to the last 5 units. Identify the percentage discount in SAC06/07 (citing code 5 in SAC06) or a monetary value discount in SAC08. Identify the quantity range in SAC10/11. This is contrast to the F910 step ladder discount that applies a single discount to the total line item quantity.</i>				
<i>C310 Discount</i>				

Use to indicate a general discount not related to a quantity or purchase amount. Identify the percentage discount in SAC06/07 or a monetary value discount in SAC08. This general discount may be used in combination with C300 or F910. Do not include any general discount within the C300 or F910 discount considerations.

C330 *Distribution Fee*
C370 *Diversion Charge*
C580 *Emergency Service*
C590 *Emergency Surcharge*
C880 *Expediting Premium*
D170 *Free Goods*

Use to indicate a quantity provided at no cost if a specified quantity or monetary value is purchased, e.g., buy \$100.00 and get 1 free; or buy 10, get 1 free. When a monetary value is used, identify the "buy" monetary amount in SAC05. When a specified quantity is used, identify the "free" quantity in SAC10 and the "buy" quantity in SAC11.

D290 *Full Truckload Allowance*
D440 *Groupage Discount*

Use to indicate a discount applicable to a line item total purchase amount meeting or exceeding a specified threshold or range. Identify the percentage discount in SAC06/07 (citing code 2 in SAC06) or the monetary value discount in SAC08. When a threshold is used, specify the threshold SAC10. When a range is used, specify the range in SAC10/11.

D500 *Handling*
D530 *Hazardous Cargo Charge*
D660 *Hook-up Charge*
D820 *Inside Delivery*
D870 *Inspection*
D890 *Installation and Training*
D900 *Installation*
E340 *Less Than Truckload (LTL) Charge*

Use to indicate a charge for less than a full carload or truckload.

E400 *Loading (Labor Charges)*
E930 *One-Day Service*
F150 *Packaging Service*
F460 *Postage*
F560 *Premium Transportation*
F830 *Proof of Delivery*

Use to indicate a charge for preparation of a DD Form 250.

F910 *Quantity Discount*

Use to indicate a step ladder discount applicable to a quantity range. The discount specified for the quantity range containing the total line

item quantity is the discount to be applied to the unit price. Identify the percentage discount in SAC06/07 (citing code 5 in SAC06) or a monetary value discount in SAC08. Identify the quantity range in SAC10/11. This is contrast to the C300 incremental discount that applies to that portion of the total line item quantity within each increment.

G030 *Reconnect Charge*
G350 *Rents and Leases*
G470 *Restocking Charge*
G530 *Rework*
G580 *Royalties*
G600 *Same-Day Service*
G610 *Saturday Delivery*
G660 *Scrap Allowance*
G740 *Service Charge*

Use to indicate a basic charge for a service call. If the charge varies by distance, e.g., a set price within a 25 mile range, another price within a 50 mile range, etc. use SAC09/10/11 to provide that information.

G760 *Set-up*
G870 *Shrink Wrap Charge*
H000 *Special Allowance*
H110 *Special Packaging*
H170 *Special Tooling Charge*
H430 *Storage*
H550 *Surcharge*
H850 *Tax*

Use to indicate that the offeror is required to identify total taxes applicable to the total offer amount that are included in the unit prices.

H990 *Testing Services Charge*
I260 *Transportation Direct Billing*
I330 *Two-Day Service*
I380 *Unloading (Labor Charges)*
I530 *Volume Discount*

Use to indicate a discount applicable to a total order quantity or total order purchase amount meeting or exceeding a specified threshold or range. Identify the percentage discount in SAC06/07 (citing code 6 in SAC06) or the monetary value discount in SAC08. When a threshold is used, specify the threshold SAC10. When a range is used, specify the range in SAC10/11.

I590 *Warranties*
ZZZZ *Mutually Defined*

Use to indicate a training charge.

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used **SAC03** **559** **Agency Qualifier Code** **X** **ID 2/2**

Code identifying the agency assigning the code values

Not Used	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X	AN 1/10
			Agency maintained code identifying the service, promotion, allowance, or charge		
	SAC05	610	Amount	O	N2 1/15
			Monetary amount		
			<i>When SAC02 is code D170, identify the "buy" monetary value to obtain free goods, if applicable. For all other SAC02 codes, see semantic note 2.</i>		
	SAC06	378	Allowance/Charge Percent Qualifier	X	ID 1/1
			Code indicating on what basis allowance or charge percent is calculated		
		2	Item Net Cost		
			<i>Use to indicate a percentage applied to the Line Item total amount.</i>		
		5	Base Price per Unit		
			<i>Use to indicate a percentage applied to the Line Item unit price.</i>		
		6	Base Price Amount		
			<i>Use to indicate a percentage applied to the total order purchase amount.</i>		
	SAC07	332	Percent	X	R 1/6
			Percent expressed as a percent		
			<i>Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).</i>		
	SAC08	118	Rate	O	R 1/9
			Rate expressed in the standard monetary denomination for the currency specified		
			<i>See semantic note 3.</i>		
	SAC09	355	Unit or Basis for Measurement Code	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			<i>1. Use any code other than code ZZ.</i>		
			<i>2. When code M4 is cited and CUR01 in the 1/CUR/040 segment cites code BY, the monetary amount in SAC10 shall be stated as the currency identified in CUR02.</i>		
			<i>3. An application program conversion table may be required to convert agency codes to X12 codes.</i>		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	SAC10	380	Quantity	X	R 1/15
			Numeric value of quantity		

- 1. When SAC02 is code C300, use to identify the lower end of a quantity range that results in an incremental quantity discount.*
- 2. When SAC02 is code D170, use to identify the "free" quantity.*
- 3. When SAC02 is code D440, use to identify the line item total purchase amount that results in a discount, if applicable.*
- 4. When SAC02 is code F910, use to identify the lower end of a quantity range that results in a step ladder discount.*
- 5. When SAC02 is code G740, use to identify the distance applicable to a service charge, if appropriate.*
- 6. When SAC02 is code I530, use to identify the total order quantity or total order purchase amount that results in a discount, if applicable.*
- 7. When SAC02 is any other code, use to identify the quantity to which the charge, allowance, or discount applies. In most instances this quantity will be 1, but if a greater quantity applies, cite that quantity.*

SAC11 380 Quantity O R 1/15

Numeric value of quantity

- 1. Use only if SAC10 is used. SAC10/11 are used together to identify a range except when SAC02 is code D170.*
- 2. When SAC02 is code C300 or F910, use to identify the upper end of the quantity range associated with SAC10.*
- 3. When SAC02 is code D170, use to identify the "buy" quantity, if applicable.*
- 4. When SAC02 is any other code, use to identify the upper end of a quantity range to which the charge, allowance, or discount applies.*

Not Used SAC12 331 Allowance or Charge Method of Handling Code O ID 2/2

Code indicating method of handling for an allowance or charge

SAC13 127 Reference Identification X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

- 1. If the discount, allowance, charge, or no charge service applies to a specific delivery zone, identify the zone in this data element. The delivery zones and locations within each zone are identified in the 1/N1/310 loop.*
- 2. To comply with X12 syntax, if SAC14 contains data that is not applicable to a specific delivery zone, cite the word "ALL" in this data element.*

	SAC14	770	Option Number O AN 1/20 A unique number identifying available promotion or allowance options when more than one is offered <i>When SAC02 is code C300, D440, or F910, and the discount can be earned by combining quantities or purchase amounts from line items in a discount group, use this data element to identify the discount group, e.g., DG-A.</i>
Not Rec	SAC15	352	Description X AN 1/80 A free-form description to clarify the related data elements and their content <i>1. Use, if necessary, to provide text information related to the information provided within this segment.</i> <i>2. Use of free form text is discouraged if the information can be provided by some other means within the transaction set.</i>
Not Used	SAC16	819	Language Code O ID 2/3 Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)

Segment:	ITD Terms of Sale/Deferred Terms of Sale
Position:	130
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	5
Purpose:	To specify terms of sale
Syntax Notes:	<ol style="list-style-type: none"> 1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required. 2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required. 3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 ITD15 is the percentage applied to a base amount used to determine a late payment charge.
Comments:	<ol style="list-style-type: none"> 1 If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.
Notes:	<ol style="list-style-type: none"> 1. Use this segment to identify a discount applicable to the entire offer. 2. Use also to request or propose a change to a billing frequency or a financing arrangement.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
ITD01		336	Terms Type Code	O ID 2/2
			Code identifying type of payment terms	
			02 End of Month (EOM)	
			07 Extended	
			<i>Use to indicate quarterly billings.</i>	
			20 Progress Payment	
			Term at which progress payments are authorized by the terms of the contract	
			<i>1. Use to indicate progress payments are requested.</i>	
			<i>2. When used, the requested Progress Payment rate, liquidation rate or alternate liquidation rate, may be specified in the 1/PCT/286 segment if they are other than the customary rates.</i>	
			21 Fast Pay	
			Code indicating that an invoice is subject to accelerated payment	
			PP Prepayment	
			<i>Use to indicate advance payments are requested.</i>	
Not Used	ITD02	333	Terms Basis Date Code	O ID 1/2
			Code identifying the beginning of the terms period	

	ITD03	338	Terms Discount Percent	O R 1/6
			Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date <i>Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).</i>	
Not Used	ITD04	370	Terms Discount Due Date	X DT 8/8
			Date payment is due if discount is to be earned expressed in format CCYYMMDD	
	ITD05	351	Terms Discount Days Due	X N0 1/3
			Number of days in the terms discount period by which payment is due if terms discount is earned	
Not Used	ITD06	446	Terms Net Due Date	O DT 8/8
			Date when total invoice amount becomes due expressed in format CCYYMMDD	
	ITD07	386	Terms Net Days	O N0 1/3
			Number of days until total invoice amount is due (discount not applicable)	
Not Used	ITD08	362	Terms Discount Amount	O N2 1/10
			Total amount of terms discount	
Not Used	ITD09	388	Terms Deferred Due Date	O DT 8/8
			Date deferred payment or percent of invoice payable is due expressed in format CCYYMMDD	
Not Used	ITD10	389	Deferred Amount Due	X N2 1/10
			Deferred amount due for payment	
Not Used	ITD11	342	Percent of Invoice Payable	X R 1/5
			Amount of invoice payable expressed in percent	
Not Used	ITD12	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	
Not Used	ITD13	765	Day of Month	X N0 1/2
			The numeric value of the day of the month between 1 and the maximum day of the month being referenced	
Not Used	ITD14	107	Payment Method Code	O ID 1/2
			Code identifying type of payment procedures	
Not Used	ITD15	954	Percent	O R 1/10
			Percentage expressed as a decimal	

Segment: **DTM** Date/Time Reference

Position: 150

Loop:

Level: Heading

Usage: Optional

Max Use: 10

Purpose: To specify pertinent dates and times

- Syntax Notes:**
- 1 At least one of DTM02 DTM03 or DTM05 is required.
 - 2 If DTM04 is present, then DTM03 is required.
 - 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes: *1. Use this segment to identify dates that apply to the entire offer or all of the line items. When the dates vary by line item, use the 2/DTM/200 segment.*

2. This segment can be used to request an extension of the offer submission date, to extend the offer expiration date, to specify the midpoint of the proposed effort, to provide the ordering period of an Agreement or an Indefinite Delivery Contract (IDC) that may be awarded as a result of this offer, or to provide the expiration date of an Agreement or an Indefinite Delivery Contract (IDC) that may be awarded as a result of this offer.

4. Use this segment when the offer differs from the solicitation requirements or to provide information essential to the offer.

Data Element Summary

Ref.	Data		
Des.	Element	Name	Attributes
Must Use	DTM01	374 Date/Time Qualifier	M ID 3/3

Code specifying type of date or time, or both date and time

007 Effective

Use with code RD8 in DTM05 to indicate the ordering period of an Agreement or an IDC award instrument resulting from this offer per FAR clause 52.216-18. Specify the date range in DTM06.

093 Contract Expiration

Use to indicate the expiration date for an award instrument resulting from this offer.

376 Delivery End

The date that deliveries will end

Use to indicate the date after which the contractor will not make deliveries for orders placed against the contract resulting from this offer per FAR clause 52.216-20/21/22.

When BQR06 is code RT, use to indicate the extension date requested for an offer submission

	DTM02	373	Date	X	DT 8/8
			Date expressed as CCYYMMDD		
Not Used	DTM03	337	Time	X	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
Not Used	DTM04	623	Time Code	O	ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow		
	DTM05	1250	Date Time Period Format Qualifier	X	ID 2/3
			Code indicating the date format, time format, or date and time format		
			RD8		Range of Dates Expressed in Format CCYYMMDD-CCYYMMDD
					A range of dates expressed in the format CCYYMMDD-CCYYMMDD where CCYY is the numerical expression of the century CC and year YY, MM is the numerical expression of the month within the year, and DD is the numerical expression of the day within the year; the first occurrence of CCYYMMDD is the beginning date and the second occurrence is the ending date
	DTM06	1251	Date Time Period	X	AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times		

Segment:	MEA Measurements
Position:	200
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	40
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required. 2 If MEA05 is present, then MEA04 is required. 3 If MEA06 is present, then MEA04 is required. 4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required. 5 Only one of MEA08 or MEA03 may be present.
Semantic Notes:	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.
Notes:	<ol style="list-style-type: none"> 1. <i>Use this segment to provide warranty information that applies to all of the line items. If the information varies by line item, use the 2/MEA/049 segment.</i> 2. <i>Use also to identify time periods for ordering restrictions identified in the 1/CTB/280 segment.</i> 3. <i>If code WR is used at this location, it may not be used in the 2/MEA/049 segment.</i> 4. <i>Use this segment when the offer differs from the solicitation requirements or to provide information essential to the offer.</i>

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u> <u>Name</u>	
MEA01	737 Measurement Reference ID Code	O ID 2/2
	Code identifying the broad category to which a measurement applies	
	OL	Order Limits
		<i>Use to indicate the number of days over which a series of orders will be considered as one order for applying maximum order limitations per FAR clause 52.216-19.</i>
	RS	Response Time
		<i>Use to indicate the number of days within which the contractor must reject an order exceeding the maximum order limitations per FAR clause 52.216-19.</i>
	WR	Warranty

Not Used	MEA02	738	Measurement Qualifier	O ID 1/3
			Code identifying a specific product or process characteristic to which a measurement applies	
	MEA03	739	Measurement Value	X R 1/20
			The value of the measurement	
	MEA04	C001	Composite Unit of Measure	X
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
Must Use	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			DA Days	
			LL Lifetime	
			A duration ending with the death of the individual	
			MO Months	
			YR Years	
Not Used	C00102	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00103	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00104	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00105	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00106	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00107	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00108	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00109	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00110	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00111	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00112	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	

Not Used	C00113	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00114	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00115	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	MEA05	740	Range Minimum The value specifying the minimum of the measurement range	X R 1/20
Not Used	MEA06	741	Range Maximum The value specifying the maximum of the measurement range	X R 1/20
Not Used	MEA07	935	Measurement Significance Code Code used to benchmark, qualify or further define a measurement value	O ID 2/2
Not Used	MEA08	936	Measurement Attribute Code Code used to express an attribute response when a numeric measurement value cannot be determined	X ID 2/2
Not Used	MEA09	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described	O ID 2/2
Not Used	MEA10	1373	Measurement Method or Device The method or device used to record the measurement	O ID 2/4

Segment:	PWK Paperwork
Position:	210
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	25
Purpose:	To identify the type or transmission or both of paperwork or supporting information
Syntax Notes:	1 If either PWK05 or PWK06 is present, then the other is required.
Semantic Notes:	
Comments:	1 PWK05 and PWK06 may be used to identify the addressee by a code number. 2 PWK07 may be used to indicate special information to be shown on the specified report. 3 PWK08 may be used to indicate action pertaining to a report.
Notes:	1. <i>Use this segment, when needed, to indicate either paperwork required in the Request for Quote (PWK segment in the 840), or other paperwork applicable to the offer is being provided by means other than within this transaction set. If there is paperwork applicable to a specific line item, use the 2/PWK/070 segment.</i> 2. <i>Codes used in PWK01 at this location may not be used in the 2/PWK/070 segment.</i>

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
Must Use	PWK01	755 Report Type Code	M ID 2/2
Code indicating the title or contents of a document, report or supporting item			
<i>Use to identify the type of paperwork the offeror is providing.</i>			
	25	Purchase Plan	
<i>Use to indicate a make or buy plan.</i>			
	35	Subcontractor Plan	
	AE	Attachment	
<i>Use to indicate some additional type document is being provided by means other than within the transaction set. Specify the nature of the document in PWK07.</i>			
	C1	Cost Data Summary	
<i>Use to indicate non-certified cost and price data.</i>			
	C5	Certified Cost and Price Data	
	C6	Wage Determination	
<i>When used identify the Wage Determination number in the 1/N9/290 segment using code 2Y in N901.</i>			
	DW	Drawing(s)	

MS	Material Safety Data Sheet
PJ	Purchasing Specification Specifications, generated by a customer, setting acceptance limits on the properties or performance of the product being purchased; purchasing specifications may additionally supply instructions for packaging, transportation, delivery, and payments <i>Use to indicate a statement of work.</i>
PM	Proof of Insurance
SD	Support Data for a Request for Quote <i>Use to indicate that supporting technical documentation, e.g., technical proposal, etc. are being provided. Use of this code is required when BQR06 is code AB.</i>
TJ	Asset Status Advice <i>Use to indicate a bid guarantee document, e.g., a check.</i>
UA	Union Agreement
US	"BUY AMERICA" Certification of Compliance

PWK02 756 Report Transmission Code O ID 1/2

Code defining timing, transmission method or format by which reports are to be sent

While any listed code can be used, code EL is preferred when the indicated paperwork can be provided electronically using one of the transaction sets specifically designed for the purpose.

BM	By Mail <i>Use to indicate transmittal via the United States Postal Service (USPS).</i>
CF	Courier <i>Use to indicate transmittal via commercial express courier.</i>
DA	Data <i>Use to indicate other forms of electronic transfer. When used, identify the other form in PWK07.</i>
EL	Electronically Only <i>Use to indicate that data was sent by a separate Electronic Data Interchange (EDI) transaction set. When used, identify the unique number of the transaction set in N902 of the 1/N9/290 segment citing code TN in N901.</i>
EM	E-Mail
FT	File Transfer <i>Use to indicate File Transfer Protocol.</i>

			FX	By Fax	
			IA	Electronic Image	
				<i>Use to indicate the World Wide Web. When used, provide the Universal Resource Locator (URL) where information is to be obtained in PWK07.</i>	
Not Used	PWK03	757	Report Copies Needed	O	N0 1/2
			The number of copies of a report that should be sent to the addressee		
	PWK04	98	Entity Identifier Code	O	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			<i>Use to identify the recipient of the paperwork. If there is more than one recipient for the same paperwork item, use multiple repetitions of the PWK segment with the same report code in PWK01. Provide the address of the recipient in the 1/N1/310 segment and, if known, the communication number of the recipient in the 1/PER/360 segment using an appropriate code in PER01.</i>		
			BY	Buying Party (Purchaser)	
				<i>Use to indicate the contracting officer.</i>	
			HMI	Material Safety Data Sheet (MSDS) Recipient	
			KF	Audit Office	
				The office performing the audit	
			KG	Project Manager	
				The address of the person responsible for the management of a designated project	
				<i>Use to indicate the government party responsible for a project.</i>	
			KY	Technical Office	
Not Used	PWK05	66	Identification Code Qualifier	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
Not Used	PWK06	67	Identification Code	X	AN 2/80
			Code identifying a party or other code		
	PWK07	352	Description	O	AN 1/80
			A free-form description to clarify the related data elements and their content		
			<i>1. Use, only if necessary, to identify additional information related to a specific paperwork item.</i>		
			<i>2. When PWK02 is code DA, use to identify the other form of electronic transfer.</i>		
			<i>3. When PWK02 is code IA, used to identify the URL.</i>		

4. Use of free form text is discouraged if the information can be provided by some other means within the transaction set.

Not Used	PWK08	C002	Actions Indicated	O
			Actions to be performed on the piece of paperwork identified	
Not Used	C00201	704	Paperwork/Report Action Code	M ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C00202	704	Paperwork/Report Action Code	O ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required	
Not Used	C00203	704	Paperwork/Report Action Code	O ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required	
Not Used	C00204	704	Paperwork/Report Action Code	O ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required	
Not Used	C00205	704	Paperwork/Report Action Code	O ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required	
Not Used	PWK09	1525	Request Category Code	O ID 1/2
			Code indicating a type of request	

Segment: **CTB** Restrictions/Conditions

Position: 280

Loop:

Level: Heading

Usage: Optional

Max Use: 5

Purpose: To specify restrictions/conditions (such as shipping, ordering)

- Syntax Notes:**
- 1 At least one of CTB02 CTB04 or CTB06 is required.
 - 2 If either CTB03 or CTB04 is present, then the other is required.
 - 3 If either CTB05 or CTB06 is present, then the other is required.

Semantic Notes:

Comments:

- Notes:**
1. Use this segment to identify conditions that will apply to a basic award instrument or to orders placed under a basic award instrument that may result from this offer, e.g., a requirements or indefinite quantity type award instrument. For line item conditions, use the 2/CTB/047 segment.
 2. Use this segment when the offer differs from the solicitation requirements or to provide information essential to the offer.

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element	Name
Must Use	CTB01	688	Restrictions/Conditions Qualifier
			Code identifying the type of restriction/condition
			OR Ordering
Not Rec	CTB02	352	Description
			A free-form description to clarify the related data elements and their content
			<i>Use, if necessary, to identify restrictions/conditions that cannot be identified in a codified form or to provide additional information related to a restriction/conditions.</i>
	CTB03	673	Quantity Qualifier
			Code specifying the type of quantity
		57	Minimum Order Quantity
			<i>Use to indicate the required minimum quantity per order against a basic award instrument per FAR clause 52.216-19.</i>
		70	Maximum Order Quantity
			<i>Use to indicate the allowable maximum quantity per order against a basic award instrument per FAR clause 52.216-19.</i>
		8H	Minimum
			<i>Use to indicate the minimum quantity that the</i>

			<i>Government is obligated to purchase throughout the ordering period of a basic award instrument per FAR clause 52.216-22.</i>
		M2	Maximum <i>Use to indicate the maximum quantity that the Government is obligated to purchase throughout the ordering period of a basic award instrument per FAR clause 52.216-21.</i>
		MQ	Maximum Ship Quantity <i>Use to indicate the maximum quantity that the contractor is obligated to deliver throughout the ordering period of a basic award instrument per FAR clause 52.216-22.</i>
CTB04	380	Quantity	X R 1/15
		Numeric value of quantity	
CTB05	522	Amount Qualifier Code	X ID 1/3
		Code to qualify amount	
		KJ	Minimum Contract Amount <i>Use to indicate the minimum monetary amount that the Government is obligated to purchase throughout the ordering period of a basic award instrument per FAR clause 52.216-22.</i>
		LQ	Maximum Potential Liability <i>Use to indicate the maximum monetary amount that the Government is obligated to purchase throughout the ordering period of a basic award instrument per FAR clause 52.216-21.</i>
		MA	Maximum Amount <i>Use to indicate the allowable maximum monetary amount per order against a basic award instrument per FAR clause 52.216-19.</i>
		MO	Minimum Order Value Minimum value of order allowed <i>Use to indicate the allowable minimum monetary amount per order against a basic award instrument per FAR clause 52.216-19.</i>
		VZ	Maximum Transfer <i>Use to indicate the contractor's maximum delivery obligation throughout the ordering period of a basic award instrument, expressed as a monetary amount per FAR clause 52.216-22.</i>
CTB06	610	Amount	X N2 1/15
		Monetary amount	

Segment: **PCT** Percent Amounts
Position: 286
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To qualify percent amounts and supply percent amounts
Syntax Notes:
Semantic Notes:
Comments:

- Notes:**
- 1. Use this segment to specify percentages that apply to the entire offer. If the percentages vary by line item, use the 2/PCT/286 segment.*
 - 2. Codes used in PCT01 at this location may not be used in the 2/PCT/286 segment.*
 - 3. Use this segment when the offer differs from the solicitation requirements or to provide information essential to the offer.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PCT01	1004	Percent Qualifier		M ID 1/2
			Code to qualify percent		
			CR	Contractor Share Ratio	
				<i>Use to indicate the proposed Contractor's portion of the target cost associated with an award instrument pricing arrangement.</i>	
			CS	Customer Share Ratio	
				<i>Use to indicate the proposed Government's portion of the target cost associated with an award instrument pricing arrangement.</i>	
			RG	Progress Payment Rate	
			RL	Progress Payment Liquidation Rate	
			RR	Alternate Progress Payment Liquidation Rate	
Must Use	PCT02	954	Percent		M R 1/10
			Percentage expressed as a decimal		
			<i>Cite 4.25% as .0425; cite 3% as .03 (note: leading and trailing zeros are suppressed).</i>		

Segment: **N9** Reference Identification
Position: 290
Loop: N9 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Syntax Notes:

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 N906 reflects the time zone which the time reflects.
- 2 N907 contains data relating to the value cited in N902.

Comments:

Notes:

1. *Use this loop to provide required information that is applicable to the entire offer. To provide information applicable to a line item, use the 2/N9/400 loop.*
2. *Use this loop to provide certifications, representations and other fill-in information, as required in the solicitation (RRA segment) 840 transaction set, that is not provided elsewhere in the transaction set; to provide explanations when BQR06 is either code DQ or UQ; to specify exceptions (BQR06 is code BW) being taken to some item in the solicitation that cannot be provided elsewhere in the transaction set, and to provide reference numbers that apply to all of the line items.*
3. *At least one occurrence of this N9 segment with N901 citing code PR is REQUIRED to provide the offeror number assigned by the submitter.*
4. *When citing a clause in N902, the date of the clause MUST be cited in N904 and the title of the clause may be optionally cited in the following MSG segment. If an alternate is cited in N907-1/N907-2, the date of the alternate MUST be cited in the 1/DTM/295 segment citing code 102 in DTM01.*
5. *Use this segment when the offer differs from the solicitation requirements or to provide information essential to the offer.*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N901	128 Reference Identification Qualifier	M ID 2/3

Code qualifying the Reference Identification

2Y Wage Determination

Use to indicate a Department of Labor Wage Determination number. Use if the Wage Determination is identified by reference only or to

	<i>identify the Wage Determination if it is provided by some other means identified in the 1/PWK/210 segment.</i>
55	Sequence Number <i>When BQR06 is code DQ or UQ, use to indicate an explanation is being provided in the following MSG segment. Insert the word "Explanation" in N903 when using this code.</i>
73	Statement of Work (SOW) Description of a product or service to be procured under a contract; statement of requirements <i>If a Statement of Work is included with the offer, the PWK segment can be used to indicate how the SOW is being provided.</i>
87	Functional Category An organization or groups of organizations with a common operational orientation such as Quality Control Engineering, etc <i>Use to indicate an exception is being taken to the North American Industry Classification System code applicable to the solicitation. When used, the offeror should cite the NAIS code considered appropriate.</i>
ADA	Agency for International Development Acquisition Regulation (AIDAR)
AH	Agreement Number <i>Use to indicate a Union Agreement number.</i>
CH	Customer catalog number
CJ	Clause Number <i>Use to indicate a clause other than a clause found in the FAR, DFARS, a Civilian Agency FAR supplement, etc. Identify the organization issuing the clause in N907-1 citing either code DUN or DX.</i>
CR	Customer Reference Number <i>Use to indicate the internal number that the offeror is assigning to identify the buying party.</i>
CT	Contract Number <i>Use to indicate a contract or agreement other than a Federal Supply Schedule (FSS) from which the offered item can be ordered. Enter the contract number in N902 and explain the nature of the contract in N903, if necessary. Provide the line item number of the item in the contract in N907 citing code C7. Also cite the expiration date of the</i>

	<i>contract in the 1/DTM/295 segment.</i>
DF	Defense Federal Acquisition Regulations (DFAR)
DG	Drawing Number
DHH	Department of Health and Human Services Acquisition Regulation (HHSAR)
DOA	Department of Agriculture Acquisition Regulation (AGAR)
DOC	Department of Commerce Acquisition Regulation (CAR)
DOE	Department of Energy Acquisition Regulation (DEAR)
DOI	Department of Interior Acquisition Regulation (DIAR)
DOJ	Department of Justice Acquisition Regulation (JAR)
DOL	Department of Labor Acquisition Regulation (DOLAR)
DOS	Department of State Acquisition Regulation (DOSAR)
DOT	Department of Transportation Acquisition Regulation (TAR)
DTS	Department of the Treasury Acquisition/Procurement Regulation (TAPR)
EC	Circular
	<i>Use to indicate an Office of Management and Budget (OMB) Circular number.</i>
EDA	Department of Education Acquisition Regulation (EDAR)
EPA	Environmental Protection Agency Acquisition Regulation (EPAAR)
FA	Federal Acquisition Regulations (FAR)
GS	General Services Administration Regulations (GSAR)
HT	Code of Federal Regulations
HUD	Department of Housing and Urban Development Acquisition Regulation (HUDAR)
IJ	Standard Industry Classification (SIC) Code
	<i>Use to indicate an exception is being taken to the Standard Industrial Classification (SIC) code applicable to the solicitation. When used, the offeror should cite the SIC code considered appropriate.</i>
KR	Response to a Request for Quotation Reference A discrete number assigned for identification purpose to a response to a request for quotation
	<i>Use to indicate fill-in information required by the citation in N902 is being provided in the following</i>

	MSG segment.
KT	Request for Quotation Reference A discrete number assigned for identification purposes to a request for quotation <i>When BQR06 is code BW, use to indicate exceptions are being taken to items in the solicitation and are specified in the following MSG segment. Insert the word "Exception" in N903 when this code is used.</i>
KY	Site Specific Procedures, Terms, and Conditions A set of procedures, terms, and conditions, applicable to a category of procurement emanating from a specific location, which will be incorporated into all procurement actions in that category by referencing its unique number rather than by incorporating the lengthy details it represents
KZ	Master Solicitation Procedures, Terms, and Conditions A set of standard procedures, terms, and conditions, applicable to a category of procurement, which will be incorporated into all procurement actions in that category by referencing its unique number rather than by incorporating the lengthy details it represents <i>Use to indicate the Master Solicitation number that contains terms and conditions that pertain to the solicitation.</i>
L1	Letters or Notes <i>Use to indicate general information, comments, or notes are being provided by the bidder in the following MSG segment. Insert the word "Note" in N903 when this code is used.</i>
MU	Military Specification (MILSPEC) Number
NAS	National Aeronautics and Space Administration FAR Supplement (NFS)
NI	Military Standard (MIL-STD) Number
P4	Project Code <i>Use to indicate the project number applicable to the solicitation.</i>
PR	Price Quote Number <i>1. Use to indicate the number the submitter is assigning to the offer. Use of this code is REQUIRED.</i> <i>2. When BQR01 is code 05, code 2G is also REQUIRED to be cited in N907.</i>

	<p>3. When BQR01 is code 01, code 2G is also REQUIRED to be cited in N907 if the cancellation is for an amended offer.</p>
QC	Product Specification Document Number
	Model designation of replacement component
S3	Specification Number
	<p>Use to indicate a specification number other than a Military Specification (MIL-SPEC). When used, cite the specification number in N902 and identify the issuing activity by citing either code DUN or DX in N907-1 or by its text name in N903.</p>
TN	Transaction Reference Number
	<p>1. Use to indicate the unique reference number of a related transaction set (e.g. an 841 transaction set carrying a technical specification or a drawing). Each transaction set has a unique number. In the case of an 841 transaction set, that number is carried in SPI02.</p> <p>2. When used, cite the related transaction set's unique number in N902 and cite the X12 transaction set designator (841) of the related transaction set in N907-1 using code 7U.</p>
TP	Test Specification Number
VB	Department of Veterans Affairs Acquisition Regulations (VAAR)
VW	Standard
	<p>Use to indicate a standard other than a MIL-STD). When used, cite the standard number in N902, e.g., ASTM D3951, and, if necessary, further identify the standard in N903.</p>
W6	Federal Supply Schedule Number
	Identifies an item with a two-digit group number, two-digit part number, and one-character section letter
	<p>Use to indicate the Federal Supply Schedule (FSS) in which the offered item can be found and provide the schedule number in N902. Provide the FSS special item number of the item in the FSS in N907 citing code IX, if necessary. Also provide the expiration date of the FSS in the 1/DTM/295 segment.</p>
XY	Other Unlisted Type of Reference Number
	<p>Use to indicate any other reference that cannot be</p>

identified by a listed qualifier code. Indicate the source of the reference in N903 and use the following MSG segment, if necessary, to pass text.

N902	127	Reference Identification	X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
N903	369	Free-form Description	X AN 1/45
		Free-form descriptive text	
		<p><i>1. When N901 is code 55, cite the word "Explanation"; when N901 is code KT, cite the word "Exception; when N901 is code L1, cite the word "Note".</i></p> <p><i>2. When N901 is code CJ, identify the purchasing activity or agency issuing the clause cited in N902 if it cannot be identified by a code in N907.</i></p> <p><i>3. When N901 is code CT, identify the nature of the contract, if necessary.</i></p> <p><i>4. When N901 is code XY, identify the source of the reference.</i></p> <p><i>5. In all instances, use the following MSG segment for text, if necessary.</i></p>	
N904	373	Date	O DT 8/8
		Date expressed as CCYYMMDD	
		<p><i>1. Use to identify the issue date applicable to the reference cited in N901. For clauses that have a date expressed only as a month and year, the DD (day) portion of the date is always 01.</i></p> <p><i>2. For additional dates applicable to the N901 reference, use the I/DTM/295.</i></p>	
Not Used	N905	337 Time	X TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
Not Used	N906	623 Time Code	O ID 2/2
		Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
N907	C040	Reference Identifier	O
		To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	

Use this composite data element to identify references that are associated with the reference identified in N901, e.g., an alternate clause number, a sheet of a drawing, etc.

Must Use	C04001	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			2G Amendment	
			7M Frame	
			<i>Use in conjunction with N901 code DG.</i>	
			7P Sheet	
			<i>Use in conjunction with N901 code DG.</i>	
			7S Drawing Type	
			<i>Use in conjunction with N901 code DG.</i>	
			7U Related Transaction Reference Number	
			<i>Use in conjunction with N901 code TN to indicate the X12 designation (e.g., 841) of the related transaction set.</i>	
			8Z Alternate Clause Number	
			C7 Contract Line Item Number	
			<i>Use in conjunction with N901 code CT.</i>	
			DUN D-U-N-S Number Dun & Bradstreet	
			<i>Use in conjunction with N901 codes CJ or S3.</i>	
			DX Department/Agency Number	
			<i>Use in conjunction with N901 code CJ or S3 to indicate a Department of Defense or Civilian Agency Activity Address Code.</i>	
			IX Item Number	
			<i>Use in conjunction with N901 code W6 to indicate a Federal Supply Schedule (FSS) special item number.</i>	
			W8 Suffix	
			Differentiates between partial actions taken on the original transaction	
			YB Revision Number	
Must Use	C04002	127	Reference Identification	M AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	C04003	128	Reference Identification Qualifier	X ID 2/3
			Code qualifying the Reference Identification	
			7M Frame	
			7P Sheet	
			7S Drawing Type	
	C04004	127	Reference Identification	X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

C04005 128 Reference Identification Qualifier X ID 2/3

Code qualifying the Reference Identification

7M Frame

7P Sheet

7S Drawing Type

C04006 127 Reference Identification X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Segment: **DTM** Date/Time Reference

Position: 295

Loop: N9 Optional

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To specify pertinent dates and times

- Syntax Notes:**
- 1 At least one of DTM02 DTM03 or DTM05 is required.
 - 2 If DTM04 is present, then DTM03 is required.
 - 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			007 Effective	
			<i>Use to indicate the effective date applicable to a reference cited in N901.</i>	
			036 Expiration	
			Date coverage expires	
			<i>Use to indicate the expiration date applicable to a reference cited in N901.</i>	
			102 Issue	
			<i>Use to provide a date applicable to a reference cited in N907-1.</i>	
			171 Revision	
			<i>Use in conjunction with N907-1 code YB.</i>	
	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
			<i>When N907-1 is code 8Z and DTM01 is code 102, the DD (day) portion of the date is always 01.</i>	
Not Used	DTM03	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
Not Used	DTM04	623	Time Code	O ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an	

indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

Not Used	DTM05	1250	Date Time Period Format Qualifier	X	ID 2/3
			Code indicating the date format, time format, or date and time format		
Not Used	DTM06	1251	Date Time Period	X	AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times		

Segment:	MSG Message Text
Position:	300
Loop:	N9 Optional
Level:	Heading
Usage:	Optional
Max Use:	1000
Purpose:	To provide a free-form format that allows the transmission of text information
Syntax Notes:	1 If MSG03 is present, then MSG02 is required.
Semantic Notes:	1 MSG03 is the number of lines to advance before printing.
Comments:	<p>1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.</p> <p>2 If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.</p>
Notes:	<p><i>1. This segment may be used when N901 is code KR, to provide a certification, representation or other fill-in information required by the clause or paragraph number cited in N902; when N901 is code L1 to provide general comments or notes; when N901 is code 55 to provide an explanation for not submitting an offer; when N901 is code KT, to identify exceptions being taken to some portion of the solicitation; or whenever text information is necessary.</i></p> <p><i>2. When providing a certification, representation or other fill-in information, the following format is recommended:</i></p> <p style="padding-left: 40px;"><i>a) In the first iteration of the segment, cite the clause title followed by a pipe sign to indicate the end of the title information, then cite the number of fill-ins followed by a second pipe sign to indicate the end of the title segment.</i></p> <p style="padding-left: 40px;"><i>b) For each fill-in, begin a new MSG segment using the sequence in which the fill-ins appear within the clause. These MSG segments may each begin with a number indicating the fill-in's sequence position. End each fill-in with a pipe sign. If multiple iterations of MSG are required for a long fill-in, end only the last MSG segment of that fill-in with the pipe sign.</i></p> <p><i>3. The purpose of the pipe sign () is to provide an indication to receiving applications that the data string related to a single entry has been completed.</i></p> <p style="padding-left: 40px;"><i>An example of a clause with 3 fill-ins follows:</i></p> <p style="padding-left: 40px;"><i>MSG*Taxpayer Identification 3/</i> <i>MSG*1. TIN has been applied for </i> <i>MSG*2. Other corporate entity </i> <i>MSG*3. Offeror is not owned or controlled by a common parent as identified in paragraph (a) of this clause </i></p> <p><i>4. An example alternative format provides all fill-in information within the title MSG segment as follows:</i></p>

*MSG*Taxpayer Identification /3/ TIN has been applied for/ Other corporate entity/ Offeror is not owned or controlled by a common parent as identified in paragraph (a) of this clause/*

5. Use this segment to provide information essential to the offer.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264
Not Used	MSG02	934	Printer Carriage Control Code A field to be used for the control of the line feed of the receiving printer	X ID 2/2
Not Used	MSG03	1470	Number A generic number	O N0 1/9

Segment:	N1 Name
Position:	310
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of N102 or N103 is required. 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	<ol style="list-style-type: none"> 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party. 2 N105 and N106 further define the type of entity in N101.
Notes:	<ol style="list-style-type: none"> 1. <i>Use this loop to identify entities or locations that apply to all of the line items. If information varies by line item, use the 2/N1/420 loop. Persons affiliated with organizations may be identified in the 1/PER/360 segment.</i> 2. <i>Use of N101, N103, and N104 is REQUIRED to identify organizations or locations. Names and addresses, in text, may be additionally provided using N102 and segments N2 through N4. Use of text is discouraged.</i> 3. <i>At least 2 repetitions of this are REQUIRED using codes BY and SE in N101. When code SE is cited in N101, use of N105/106 is REQUIRED.</i> 4. <i>Use this segment to provide information essential to the offer.</i> 5. <i>Codes used in N101 at this location may not be used in the 2/N1/420 segment.</i>

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		28 Subcontractor	
			<i>Use to provide the name and address of a subcontractor, if applicable, e.g., when the solicitation included a Contract Security Classification Specification (DD Form 254).</i>
		56 Servicing Dealer	
			<i>Use to indicate a dealer who services a product. This is the location to obtain service, such as a repair.</i>
		61 Performed At	

	The facility where work was performed <i>Use to indicate additional places of performance, if applicable.</i>
AG	Agent/Agency <i>Use this code to indicate the entity is responding on behalf of a company named in a previous iteration of the N1 loop.</i>
BY	Buying Party (Purchaser)
DL	Dealer <i>Use to indicate a dealer or reseller of products.</i>
DS	Distributor <i>Use to indicate a distributor of products.</i>
DZ	Delivery Zone Area where the product was delivered <i>1. Use to indicate an area to which deliveries are expected to be made under a requirements or an indefinite delivery type award instrument. Specify the zone in N104 (e.g., 10, 11, 12, etc., must be a minimum of 2 positions) using code ZN in N103 and identify the states or countries that comprise the zone in N402 or N404. The zone number will be cited in CTP10 and the price associated with delivery to that zone will be specified in CTP03.</i> <i>2. If the FOB point varies by delivery zone or by locations within a delivery zone, identify the FOB point in the 1/N4/340 segment.</i>
FA	Facility <i>Use to indicate the principal place of performance when other than the address identified with code SE.</i>
K1	Contractor Cognizant Security Office <i>Use this code only if the solicitation included the Contract Security Classification Specification (DD Form 254) and the offeror is to provide the name and address of the contractor cognizant security office.</i>
K2	Subcontractor Cognizant Security Office <i>Use this code only if the solicitation included a Contract Security Classification Specification (DD Form 254) and the offeror is to provide the name and address of the subcontractor cognizant security office.</i>
K3	Place of Performance Cognizant Security Office

				<p><i>Use this code only if the solicitation included a Contract Security Classification Specification (DD Form 254) and the offeror is to provide the name and address of the place of performance cognizant security office.</i></p>
			KF	<p>Audit Office</p> <p>The office performing the audit</p>
			KG	<p>Project Manager</p> <p>The address of the person responsible for the management of a designated project</p> <p><i>Use to indicate the selling party's representative for a project.</i></p>
			KY	<p>Technical Office</p> <p><i>Use to indicate the technical office that has cognizance over the technical portion of a solicitation.</i></p>
			RI	<p>Remit To</p> <p><i>Use to indicate the place to send remittance when it is different than the contractor's address, e.g., a bank, financial office location, etc.</i></p>
			SE	<p>Selling Party</p>
Not Rec	N102	93	Name	X AN 1/60
			Free-form name	
Must Use	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
		1	D-U-N-S Number, Dun & Bradstreet	
			<i>Use of the DUNS or DUNS+4 number is preferred over other codes to identify an entity. Use of this code is required when N101 is code SE.</i>	
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
			<i>Use of the DUNS or DUNS+4 number is preferred over other codes to identify an entity.</i>	
		10	Department of Defense Activity Address Code (DODAAC)	
			<i>Use to indicate a DoD or Civilian Agency Activity Address Code.</i>	
		33	Commercial and Government Entity (CAGE)	
			<i>Use to indicate a commercial entity.</i>	
		ZN	Zone	
			<i>Use in conjunction with N101 code DZ.</i>	
Must Use	N104	67	Identification Code	X AN 2/80

Code identifying a party or other code

When N103 is code ZN, cite one of the following:

- a. A delivery zone designation, e.g., 01, 10, 1a, etc.*
- b. The word "CONUS" to specify all points within the continental United States that are not otherwise identified within a zone.*
- c. The word "WORLD" to specify all points outside the continental United States that are not otherwise identified within a zone.*

N105 706 Entity Relationship Code O ID 2/2

Code describing entity relationship

Use only when N101 is code SE.

93 Principal Supplier

Use in conjunction with N101 code SE to indicate the selling party's type of business.

N106 98 Entity Identifier Code O ID 2/3

Code identifying an organizational entity, a physical location, property or an individual

Use only when N101 is code SE.

20 Foreign Supplier

Use to indicate the selling party is a foreign owned and located business.

21 Small Business

27 Small Disadvantaged Business

80 Hospital

An institution where the ill or injured may receive medical treatment

A7 Sheltered Workshop

A business entity which provides work for a special category of worker

Use to indicate a qualified nonprofit agency under the Javits-Wagner-O'Day Act (JWOD) as described in FAR part 8.701 and DFARS part 219.703.

A8 Nonprofit Institution

A business that by operation of policy or law does not choose (or is not allowed) to make a profit from the efforts of its enterprise

Use to indicate a nonprofit organization as defined in FAR part 27.301 other than an organization that can be identified by use of code 80, A7, HB, or M8.

B9 Large Business

A business entity that cannot be classified as a small business for purposes of receiving preferential treatment in the award of contracts

HB	Historically Black College or University An educational institution of higher learning with a historical black student population.
M8	Educational Institution

Segment: **N2** Additional Name Information
Position: 320
Loop: N1 Optional
Level: Heading
Usage: Optional (Not Recommended)
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	N201	93	Name Free-form name	M AN 1/60
	N202	93	Name Free-form name	O AN 1/60

Segment: **N3** Address Information
Position: 330
Loop: N1 Optional
Level: Heading
Usage: Optional (Not Recommended)
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	N301	166	Address Information	M AN 1/55
			Address information	
	N302	166	Address Information	O AN 1/55
			Address information	

Segment: **N4** Geographic Location

Position: 340

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: 1

Purpose: To specify the geographic place of the named party

Syntax Notes: 1 If N406 is present, then N405 is required.

Semantic Notes:

Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.

Notes: *When N101 is code DZ and N104 does not cite the words "CONUS" or "WORLD", this segment may be used to identify locations within a delivery zone and the FOB point if it varies by delivery zone or locations within a delivery zone.*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name	O AN 2/30
		Free-form text for city name	
		<i>When the address is a military overseas post office, cite APO or FPO as appropriate to identify an Army Post Office (APO) or Fleet Post Office (FPO).</i>	
N402	156	State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
		<i>Use codes AA (Armed Forces Americas), AE (Armed Forces Europe), or AP (Armed Forces Pacific) as appropriate for the military overseas post office.</i>	
N403	116	Postal Code	O ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
N404	26	Country Code	O ID 2/3
		Code identifying the country	
		<i>Cite the two position ISO 3166 country code.</i>	
N405	309	Location Qualifier	X ID 1/2
		Code identifying type of location	
		<i>When N101 is code DZ and the 1/FOB/080 segment is not used to identify the FOB point, use to specify the FOB point for a delivery zone or for a location within a zone.</i>	
		DE Destination (Shipping)	
		OA Origin (After Loading on Equipment)	
		<i>Use to indicate FOB Origin with transportation</i>	

			<i>charges prepaid by the seller and added as a separate item to the invoice.</i>
	OR	Origin (Shipping Point)	<i>Use to indicate FOB Origin with transportation charges paid by a Government Bill of Lading (GBL).</i>
	TM	Terminal	<p><i>1. Use to indicate that the FOB point for delivery outside the continental United States is located at a transportation terminal and not at origin or destination. FAR clauses 52.247-38, 52.247-39, or a similar FAR clause may apply.</i></p> <p><i>2. When used, identify the FOB point in N406.</i></p>
	ZN	Zone Code	<p>Qualifies a code that identifies a geographic area where transportation rates apply</p> <p><i>When it is necessary to associate the entity identified in N101 with a delivery zone, use this code in conjunction with an appropriate N101 code (e.g., DL, DS, 56, etc.).</i></p>
N406	310	Location Identifier	O AN 1/30
		Code which identifies a specific location	
		<p><i>1. When N405 is code TM, use to identify the location of the FOB point. Cite the 5 position United Nations code for ports and other locations (UN/LOCODE) in accordance with the United Nations Location Code Manual.</i></p> <p><i>2. When N405 is code ZN, use to identify a delivery zone associated with the entity identified in N101. Identify the delivery zone using the same zone number or keyword specified in establishing the zone.</i></p>	

Segment:	REF Reference Identification
Position:	350
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	12
Purpose:	To specify identifying information
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of REF02 or REF03 is required. 2 If either C04003 or C04004 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 REF04 contains data relating to the value cited in REF02.
Comments:	
Notes:	<i>When N101 is code SE, use to identify major subdivisions and lower levels within the selling party's organization.</i>

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			19 Division Identifier	
			<i>Use to indicate the major subdivision name of the organization identified in N101, for example, School of Engineering or Adhesive Products Division. Cite the name in REF03.</i>	
			DP Department Number	
			<i>Use to indicate the department, service, laboratory, or equivalent level within the major subdivision name (code 19) of the organization, for example, Department of Industrial Engineering or Sales Department. Cite the name in REF03.</i>	
Not Used	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	REF03	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	
Not Used	REF04	C040	Reference Identifier	O
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	
Not Used	C04001	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
Not Used	C04002	127	Reference Identification	M AN 1/30
			Reference information as defined for a particular Transaction Set or as	

			specified by the Reference Identification Qualifier	
Not Used	C04003	128	Reference Identification Qualifier	X ID 2/3
			Code qualifying the Reference Identification	
Not Used	C04004	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
Not Used	C04005	128	Reference Identification Qualifier	X ID 2/3
			Code qualifying the Reference Identification	
Not Used	C04006	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment: **PER** Administrative Communications Contact

Position: 360

Loop: N1 Optional

Level: Heading

Usage: Optional

Max Use: >1

Purpose: To identify a person or office to whom administrative communications should be directed

- Syntax Notes:**
- 1 If either PER03 or PER04 is present, then the other is required.
 - 2 If either PER05 or PER06 is present, then the other is required.
 - 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

Notes: 1. Use this segment to provide the names and titles of individuals associated with the entity cited in the same N1 loop.

2. When BQR01 is code 00 and N1 is code SE, use of this segment is **REQUIRED** citing code AA. Codes AF, CE and KA also should be used when applicable.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PER01	366 Contact Function Code	M ID 2/2
		Code identifying the major duty or responsibility of the person or group named	
		AA	Authorized Representative
			<i>When N101 is code SE, use to indicate the person authorized by the offeror to contractually and legally bind the entity.</i>
		AF	Authorized Financial Contact
			<i>Use in conjunction with N101 code SE to identify the individual in the offeror's company who is responsible for cost and price data.</i>
		BD	Buyer Name or Department
			<i>Use in conjunction with N101 code BY.</i>
		CE	Certifier
			<i>Use in conjunction with N101 code SE.</i>
		IC	Information Contact
			<i>Use in conjunction with an applicable N101 code to indicate an information point of contact when no other code applies.</i>
		KA	Authorized Negotiator
			<i>Use in conjunction with N101 code SE.</i>
		ME	Manufacturing

			<i>Use in conjunction with N101 code SE to indicate the manufacturing point of contact.</i>
		PP	Program Manager
			<i>Use in conjunction with N101 code KG.</i>
		SU	Supplier Contact
			<i>Use in conjunction with N101 code SE to indicate a contact within the offeror's organization.</i>
PER02	93	Name	O AN 1/60
		Free-form name	
			<i>Use to identify the name of a point of contact. Last name, followed by first name, is preferred. If the whole name is longer than 35 characters, the use of initials for the first name is recommended. PER09 may be used to cite the party's title.</i>
PER03	365	Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		TE Telephone	
PER04	364	Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
			<i>The telephone number shall be transmitted as a continuous number with no extraneous characters. Include the country code and area code. If an extension applies to the telephone number, concatenate the letter X plus the extension at the end of the number, e.g., 17035551212X123.</i>
PER05	365	Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		FX Facsimile	
PER06	364	Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
			<i>The fax number shall be transmitted as a continuous number with no extraneous characters. Include the country code and area code.</i>
PER07	365	Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		EM Electronic Mail	
PER08	364	Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
PER09	443	Contact Inquiry Reference	O AN 1/20
		Additional reference number or description to clarify a contact number	
			<i>1. Use, if necessary, to provide the title of the individual cited in PER02.</i>
			<i>2. This data element is REQUIRED when PER01 is code AA, CE, or KA.</i>

Segment: **AMT** Monetary Amount
Position: 440
Loop: AMT Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:

Notes: *1. Use this segment to specify amounts associated with incentive, award fee, fixed-fee, or cost sharing award instruments when the amounts apply to all of the line items.*

2. Use also to identify the amount of a bid guarantee that is being submitted as part of the offer.

3. The following table identifies how each code listed in AMT01, other than code B0 is to be used depending on the code cited in BQT08 of the 840 transaction set to which this offer is responding.

COST, FEE, AND PRICE EXPRESSION TABLE

<i>BQT08 Code</i>	<i>AMT01 Code</i>	<i>AMT01 Code Use</i>
--------------------------	--------------------------	------------------------------

<i>CA/CY</i>	<i>33</i>	<i>Target Cost</i>
<i>CA/CY</i>	<i>32</i>	<i>Target Fee</i>
<i>CA/CY</i>	<i>AEG</i>	<i>Minimum Fee</i>
<i>CA/CY</i>	<i>AEH</i>	<i>Maximum Fee</i>
<i>CH</i>	<i>FQ</i>	<i>Contractor Firm Share</i>
<i>CH</i>	<i>FR</i>	<i>Estimated Government Share</i>
<i>CS</i>	<i>N/A</i>	<i>Use the 3/AMT/020 segment, code TT</i>
<i>CW/CX</i>	<i>33</i>	<i>Cost</i>
<i>CW</i>	<i>AEF</i>	<i>Base Fee</i>
<i>CW</i>	<i>AEE</i>	<i>Award Fee</i>
<i>CX</i>	<i>FE</i>	<i>Fixed Fee</i>
<i>FB/FC</i>	<i>33</i>	<i>Target Cost</i>
<i>FB/FC</i>	<i>32</i>	<i>Target Profit</i>
<i>FB/FC</i>	<i>30</i>	<i>Price Ceiling</i>
<i>FD</i>	<i>N/A</i>	<i>For fixed-price contracts with prospective price redetermination, use the 3/AMT/020 segment, code 29 for contract total amount; and use the 2/AMT/590 segment code 1 for Firm Fixed Price Line Items, and code 29 when for redeterminable line items without a ceiling price or code 30 for redeterminable line items with a ceiling price.</i>

<i>FM</i>	<i>N/A</i>	<i>For fixed-price contracts with retroactive price redetermination, use the 3/AMT/020 segment, code 30 for contract ceiling</i>
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price; and use the 2/AMT/590 segment code 30 for fixed ceiling price if items subject to differing contract type are present in the same contract.

FF/FG	ZQ	Initial Target Cost
FF/FG	K4	Initial Target Profit
FF/FG	AEH	Target Profit Ceiling
FF/FG	AEG	Target Profit Floor
FF/FG	30	Ceiling Price
FH	33	Fixed Price
FH	AEF	Base Fee
FH	AEE	Award Fee
FJ/FX/LH/TM	N/A	Use the 2/AMT/590 segment, code 1 for fixed price line items; and the 3/AMT/020 segment, code TT for contract total amount
FK	N/A	No cost or price information required

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element	Code	M ID 1/3
Must Use	AMT01	522	
		Amount Qualifier Code	
		Code to qualify amount	
		30	Contract Ceiling
			The ceiling price applicable to defined effort
		32	Target Fee or Profit Amount
			The fee (can also be percent) of profit that will apply to defined contract effort
		33	Original Contract Target Cost
			Value of the original negotiated contract
		AEE	Award Fee
		AEF	Base Fee
		AEG	Target Profit Floor
		B0	Bond
			<i>Use to indicate the amount of the bid guarantee provided with the offer. Use the 1/PWK/210 segment to identify how the bid guarantee is being provided.</i>
		FE	Fee
		FQ	Firm Contractor Share
			<i>Use when BQT08 in the 840 TS to which this offer is responding is code CA, CY, FB, FC, FF, or FG, as applicable.</i>
		FR	Estimated Government Share
			<i>Use when BQT08 in the 840 TS to which this offer</i>

is responding is code CA, CY, FB, FC, FF, or FG, as applicable.

K4 Initial Target Fee
ZQ Initial Target Cost

Must Use	AMT02	782	Monetary Amount	M R 1/18
			Monetary amount	
Not Used	AMT03	478	Credit/Debit Flag Code	O ID 1/1
			Code indicating whether amount is a credit or debit	

Segment:	LDT Lead Time
Position:	510
Loop:	LDT Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To specify lead time for availability of products and services
Syntax Notes:	
Semantic Notes:	1 LDT04 is the effective date of lead time information.
Comments:	1 LDT02 is the quantity of unit of time periods.
Notes:	<p><i>1. Use this segment to identify the length of the offer acceptance period allowed by the submitter.</i></p> <p><i>2. This segment can be also used to identify a delivery schedule that applies to all of the line items in a basic award instrument that may result from this offer. When the delivery lead time varies by line item, use the 2/LDT/394 segment.</i></p> <p><i>3. Use this segment when the offer differs from the solicitation requirements or to provide information essential to the offer.</i></p> <p><i>4. Codes used in LDT01 at this location may not be used in the 2/LDT/394 segment.</i></p>

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Must Use	LDT01	345	Lead Time Code	M ID 2/2
			Code indicating the time range	
		AE	From date of PO receipt to shipment	
			<i>Use to indicate the delivery lead time for all line items in a basic award instrument resulting from this offer against which delivery orders will be placed when such instruments do not specify the lead time by line item.</i>	
		AF	From date of PO receipt to delivery	
			<i>Use to indicate the delivery lead time for all line items in a basic award instrument resulting from this offer against which delivery orders will be placed when such instruments do not specify the lead time by line item.</i>	
		AT	From Bid Opening to Expiration of Bid	
			<i>Use to indicate the number of days from the date for receipt of offers that this offer may be accepted.</i>	
		AV	From Date of Award to Date of Latest Delivery	
			<i>Use to indicate the delivery lead time for all line</i>	

items in a basic award instrument resulting from this offer against which delivery orders will be placed when such instruments do not specify the lead time by line item.

AW From Date of Award to Date of Earliest Delivery
Use to indicate the delivery lead time for all line items in a basic award instrument resulting from this offer against which delivery orders will be placed when such instruments do not specify the lead time by line item.

AX From Date of Award to Date of Completion
Use to indicate the delivery lead time for all line items in a basic award instrument resulting from this offer against which delivery orders will be placed when such instruments do not specify the lead time by line item.

AY From Date of Award to Date of Delivery
Use to indicate the delivery lead time for all line items in a basic award instrument resulting from this offer against which delivery orders will be placed when such instruments do not specify the lead time by line item.

BC From Date of Award to Commencement of Performance
Use in construction contracts resulting from this offer to indicate a lead time from the date of a Notice to Proceed to the date of the commencement of performance.

BE From Date of Option Exercise to Date of Completion
Use in construction contracts resulting from this offer to indicate a lead time from the date of a Notice to Proceed to the date of the completion.

Must Use	LDT02	380	Quantity	M R 1/15
			Numeric value of quantity	
Must Use	LDT03	344	Unit of Time Period or Interval	M ID 2/2
			Code indicating the time period or interval	
			DA Calendar Days	
			DW Work Days	
			MO Month	
Not Used	LDT04	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	

Segment:	PO1 Baseline Item Data
Position:	010
Loop:	PO1 Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify basic and most frequently used line item data
Syntax Notes:	<ol style="list-style-type: none"> 1 If PO103 is present, then PO102 is required. 2 If PO105 is present, then PO104 is required. 3 If either PO106 or PO107 is present, then the other is required. 4 If either PO108 or PO109 is present, then the other is required. 5 If either PO110 or PO111 is present, then the other is required. 6 If either PO112 or PO113 is present, then the other is required. 7 If either PO114 or PO115 is present, then the other is required. 8 If either PO116 or PO117 is present, then the other is required. 9 If either PO118 or PO119 is present, then the other is required. 10 If either PO120 or PO121 is present, then the other is required. 11 If either PO122 or PO123 is present, then the other is required. 12 If either PO124 or PO125 is present, then the other is required.
Semantic Notes:	
Comments:	<ol style="list-style-type: none"> 1 See the Data Element Dictionary for a complete list of IDs. 2 PO101 is the line item identification. 3 PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:	<p><i>1. If the offer is for the exact item and quantity as specified in the solicitation, PO101, PO104, and PO105 if one of the listed codes is cited, is all that is required. Other data elements may be used, as necessary, to provide any additional information the offeror feels is essential to the offer.</i></p> <p><i>2. When BQR06 is code AB, use code FS or other appropriate codes in PO106-PO125, as necessary, to adequately describe the item.</i></p>

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
PO101	350	Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
		<i>To identify the item being offered or to which changes are being proposed, this data element must contain the same numeric or alpha characters that were provided in the solicitation.</i>	
PO102	330	Quantity Ordered	X R 1/15
		Quantity ordered	
		<i>Use to identify the quantity being offered only if the quantity differs from the solicited quantity. Use the PO3 segment to explain.</i>	

PO103	355	Unit or Basis for Measurement Code	O ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		1. Use any code. 2. An application program conversion table may be required to convert agency codes to X12 codes. SX Shipment Use when PO101 is a CLIN for transportation charges.	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
PO104	212	Unit Price	X R 1/17
		Price per unit of product, service, commodity, etc.	
		1. Cite the unit price for the line item except when PO105 is code PQ. In that instance, cite the total price for the line item. 2. When PO105 is either code NC or NS, enter the number 0. 3. For IDC and similar solicited award instruments that include zone pricing, this DE shall not be used. The unit price applicable to the individual zone shall be cited in the CTP segment.	
PO105	639	Basis of Unit Price Code	O ID 2/2
		Code identifying the type of unit price for an item	
		Use only if necessary to provide the basis of the quoted price.	
		CA	Catalog
		ES	Estimated
		FB	Fabrication Cost
		Use to indicate the price includes the incorporation of Government Furnished Property (GFP) into the item.	
		KA	Price with Government Furnished Property
		Use to indicate that the price of the item includes the use of GFP, e.g., special tooling, special test equipment, production machinery, etc., to manufacture the item.	
		NC	No Charge
		Use to indicate this is a no cost item.	
		NE	Not to Exceed
		NS	Not Separately Priced
		Use to indicate the item is not separately priced but is included in the price of the item to which it pertains.	
		PQ	Posted

Use to indicate the price cited in PO104 is a total price for the line item rather than a unit price.

TB To be negotiated.

PO106 235 Product/Service ID Qualifier X ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

1. PO106 through PO125 are used in pairs. For example, PO106 contains a qualifier code and PO107 contains the data related to the code.

2. If an equal or substitute items is being offered, as a minimum, include the National Stock Number in this segment. Provide the Manufacturer's Part Number (to indicate who has design control) and the Manufacturer (if other than the bidder) in the 2/LIN/015 segment. In addition, provide the address of the entity who controls the design or who is manufacturing the item in the 2/N1/420 loop.

3. Any code, other than code ZZ, may be used but the listed codes are preferred.

4. For information relating to codes DR, F2, F3, KA, KE, KG, MS, PT, and PW, convey the information in the 2/N9/400 segment using appropriate codes in either N901 or N907.

AK Refined Product Code

BL Brand/Label

Use to indicate the product's brand or model name, e.g., Trinitron is the Sony brand name for a TV or computer monitor.

CG Commodity Grouping

Use to indicate a commodity code, e.g., the 2 position Federal Supply Group code.

CH Country of Origin Code

When used, cite the two position ISO 3166 country code in the following 234 data element.

CL Color

DG Discount Grouping

Use to indicate a discount group to which the line item pertains.

EN European Article Number (EAN)(2-5-5-1)

EQ Equipment Type

F1 Catalog Number

Use to indicate a catalog number that can be used to identify the product.

FS National Stock Number

Use of this code is required when BQR06 is code AB and the alternate or substitute item has an NSN. The NSN shall be transmitted without dashes.

FT *Federal Supply Classification*

See ASC X12 Code Source List 27 for the FSCs associated with this code.

HI *HIBC (Health Industry Bar Code)*

KF *Item Type Number*

KM *Shelf-Life Code*

KN *Shelf-Life Action Code*

LT *Lot Number*

MN *Model Number*

N1 *National Drug Code in 4-4-2 Format*

N2 *National Drug Code in 5-3-2 Format*

N3 *National Drug Code in 5-4-1 Format*

N4 *National Drug Code in 5-4-2 Format*

ND *National Drug Code (NDC)*

PA *Pattern Number*

PD *Part Number Description*

Use to indicate the noun nomenclature of the item.

PU *Part Reference Number*

Use to indicate a part number assigned by an industry (not related to a specific manufacturer). Do not use for National Drug Codes.

SN *Serial Number*

SR *Substitute Product Number*

SW *Stock Number*

Use to indicate a local stock number

SZ *Vendor Alphanumeric Size Code (NRMA)*

Use to indicate the size of an item.

UA *U.P.C./EAN Case Code (2-5-5)*

UI *U.P.C. Consumer Package Code (1-5-5)*

UK *U.P.C./EAN Shipping Container Code (1-2-5-5-1)*

UP *U.P.C. Consumer Package Code (1-5-5-1)*

UX *Universal Product Number*

VP *Vendor's (Seller's) Part Number*

Use to indicate a part number assigned by a selling party other than the manufacturer.

Refer to 004010 Data Element Dictionary for acceptable code values.

PO107

234

Product/Service ID

X AN 1/48

Identifying number for a product or service

PO108	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
PO109	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
PO110	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
PO111	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
PO112	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
PO113	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
PO114	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
PO115	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
PO116	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
PO117	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
PO118	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
PO119	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
PO120	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
PO121	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	

PO122	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
PO123	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
PO124	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
PO125	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	

Segment:	LIN Item Identification
Position:	015
Loop:	PO1 Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify basic item identification data
Syntax Notes:	<ol style="list-style-type: none"> 1 If either LIN04 or LIN05 is present, then the other is required. 2 If either LIN06 or LIN07 is present, then the other is required. 3 If either LIN08 or LIN09 is present, then the other is required. 4 If either LIN10 or LIN11 is present, then the other is required. 5 If either LIN12 or LIN13 is present, then the other is required. 6 If either LIN14 or LIN15 is present, then the other is required. 7 If either LIN16 or LIN17 is present, then the other is required. 8 If either LIN18 or LIN19 is present, then the other is required. 9 If either LIN20 or LIN21 is present, then the other is required. 10 If either LIN22 or LIN23 is present, then the other is required. 11 If either LIN24 or LIN25 is present, then the other is required. 12 If either LIN26 or LIN27 is present, then the other is required. 13 If either LIN28 or LIN29 is present, then the other is required. 14 If either LIN30 or LIN31 is present, then the other is required.
Semantic Notes:	1 LIN01 is the line item identification
Comments:	<ol style="list-style-type: none"> 1 See the Data Dictionary for a complete list of IDs. 2 LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:	<i>Use this segment to identify a manufacturer, with or without an associated manufacturer's part number for the product specified in the PO1 segment.</i>

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
Not Used	LIN01	350 Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
Must Use	LIN02	235 Product/Service ID Qualifier	M ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		GE Generic Name Description	
		<i>Use to identify a manufacturer by a text name when a DUNS, or CAGE code is not available. Cite the name in the following data element.</i>	
		MF Manufacturer	
		<i>When used, cite the DUNS number of the manufacturer in the following data element.</i>	

ZB

Commercial and Government Entity (CAGE) Code

A code that identifies a commercial contractor authorized to do business with the U.S. government

Use to indicate a manufacturer who can be identified by a CAGE code. Cite the CAGE code in the following data element.

Must Use	LIN03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
	LIN04	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			MG Manufacturer's Part Number		
	LIN05	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
Not Used	LIN06	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	LIN07	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
Not Used	LIN08	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	LIN09	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
Not Used	LIN10	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	LIN11	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
Not Used	LIN12	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	LIN13	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
Not Used	LIN14	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	LIN15	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
Not Used	LIN16	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		

Not Used	LIN17	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
Not Used	LIN18	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN19	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
Not Used	LIN20	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN21	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
Not Used	LIN22	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN23	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
Not Used	LIN24	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN25	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
Not Used	LIN26	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN27	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
Not Used	LIN28	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN29	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
Not Used	LIN30	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN31	234	Product/Service ID Identifying number for a product or service	X	AN 1/48

Segment: **PO3** Additional Item Detail

Position: 030

Loop: PO1 Optional

Level: Detail

Usage: Optional

Max Use: 25

Purpose: To specify additional item-related data involving variations in normal price/quantity structure

Syntax Notes: 1 If PO304 is present, then at least one of PO303 or PO305 is required.

Semantic Notes:

Comments: 1 Some examples of price/quantity variations are: price in different units from the PO1 segment, price changes by date, or price changes by quantity (break and level).
2 PO307 defines the unit of measure for PO306.

Notes: *Use this segment, as necessary, to identify additional information regarding the item being offered in the PO1 segment.*

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Must Use	PO301	371	Change Reason Code	M ID 2/2
			Code specifying the reason for price or quantity change	
			<i>1. Use to provide an explanation if the quantity or unit of measure being quoted is different than in the solicitation.</i>	
			<i>2. Use also to provide the alternate quantity and unit of measure being quoted if one was identified in the solicitation.</i>	
		AQ	Alternate Quantity and Unit of Measure	
			<i>Use to indicate that an item has an alternate quantity and unit of measure (e.g., PO102/PO103 would cite 10,000 LB and PO306/07 could cite 10 SH. Both quantities and units of measure are applicable to the item being purchased - steel plates).</i>	
		EV	Estimated Quantity	
			<i>Use to indicate the quantity quoted in PO102 is an estimate.</i>	
		MC	Pack/Size Measure Difference	
		MP	Minimum Order	
			<i>Use to indicate that a minimum order (either price or quantity) is being quoted.</i>	
		PC	Pack Difference	
		QH	Quantity on Hand	
		QT	Quantity Price Break	

			<i>Use to indicate the quantity quoted, if different than solicited, represents a price break for the buying party.</i>	
			SC	Size Difference
			UM	Unit of Measure Difference
Not Used	PO302	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	
	PO303	236	Price Identifier Code	X ID 3/3
			Code identifying pricing specification	
			<i>Use any code.</i>	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	PO304	212	Unit Price	O R 1/17
			Price per unit of product, service, commodity, etc.	
	PO305	639	Basis of Unit Price Code	X ID 2/2
			Code identifying the type of unit price for an item	
			<i>Use any code.</i>	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Must Use	PO306	380	Quantity	M R 1/15
			Numeric value of quantity	
			<i>Due to the mandatory nature of this data element, when PO301 is code EV, MC, MP, PC, QH, QT, SC, or UM, repeat the quantity cited in PO102.</i>	
Must Use	PO307	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			<i>1. Use any code other than code ZZ.</i>	
			<i>2. Due to the mandatory nature of this data element, when PO301 is code EV, MC, MP, PC, QH, QT, SC, or UM, repeat the unit of measure cited in PO103.</i>	
			<i>3. An application program conversion table may be required to convert agency codes to X12 codes.</i>	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	PO308	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	

Segment: **CTP Pricing Information**

Position: 040

Loop: PO1 Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify pricing information

Syntax Notes:

- 1 If either CTP04 or CTP05 is present, then the other is required.
- 2 If CTP06 is present, then CTP07 is required.
- 3 If CTP09 is present, then CTP02 is required.
- 4 If CTP10 is present, then CTP02 is required.
- 5 If CTP11 is present, then CTP03 is required.

Semantic Notes:

- 1 CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.
- 2 CTP08 is the rebate amount.

Comments:

- 1 See Figures Appendix for an example detailing the use of CTP03 and CTP04.
See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

Notes: *1. Use this segment to provide pricing information requested in the solicitation or to provide additional prices related to the line item.*

2. Example of step ladder quantity prices for quantities 1-10, 11-20, 21-30, and 31-50:

*CTP**PBQ**1*EA n/l*
*CTP**ICL*25.00*10*EA n/l*
*CTP**ICL*24.50*20*EA n/l*
*CTP**ICL*23.50*30*EA n/l*
*CTP**MAX*22.00*50*EA n/l*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Not Used	CTP01	687 Class of Trade Code	O ID 2/2
		Code indicating class of trade	
	CTP02	236 Price Identifier Code	X ID 3/3
		Code identifying pricing specification	
		<i>Any code may be used to provide information regarding the pricing of an item.</i>	
		CAT Catalog Price	
		<i>Use to indicate a catalog price if PO104 is not the offering party's catalog price and the solicitation requested the bidder to identify the catalog price.</i>	
		ICL Unit Price Through Quantity	

1. Use to indicate the end of a quantity range applicable to step ladder pricing.

2. Use in conjunction with codes PBQ and MAX for step ladder pricing. Step ladder pricing is defined as the price specified for the quantity range containing the quantity purchased, applying to all the items purchased. Use of codes ICL, MAX and PBQ is in contrast to use of code PAQ which identifies quantities at which different prices are applied.

LLP Lease to Purchase Price

MAX Maximum Order Quantity Price

1. Use for step ladder pricing to indicate the quantity above which the price will not change.

2. Use in conjunction with codes ICL and PBQ for step ladder pricing. Step ladder pricing is defined as the price specified for the quantity range containing the quantity purchased, applying to all the items purchased. Use of codes ICL, MAX and PBQ is in contrast to use of code PAQ which identifies quantities at which different prices are applied.

PAQ Price Break Quantity(s)

Use to indicate a quantity where an incremental price break occurs. For example, if price breaks occur at quantities 11, 21, 31, etc., then for a purchase quantity of 25, the first 10 units are at the first price, the next 10 units are at the second price and the last 5 units are at the third price. This is in contrast to step ladder prices where all 25 units are one price.

PBQ Unit Price Beginning Quantity

1. Use to indicate the beginning of a quantity range applicable to step ladder pricing.

2. Use in conjunction with codes ICL and MAX for step ladder pricing. Step ladder pricing is defined as the price specified for the quantity range containing the quantity purchased, applying to all the items purchased. Use of codes ICL, MAX and PBQ is in contrast to use of code PAQ which identifies quantities at which different prices are applied.

RPP Replacement Price

Use to indicate the price when it is less costly to replace than to repair.

ZNP Zone Price Code

Use to indicate the price for delivery to a zone cited in CTP10. This is the total price of the item and is based on standard commercial

packaging and preservation.

Refer to 004010 Data Element Dictionary for acceptable code values.

	CTP03	212	Unit Price	X R 1/17
			Price per unit of product, service, commodity, etc.	
	CTP04	380	Quantity	X R 1/15
			Numeric value of quantity	
	CTP05	C001	Composite Unit of Measure	X
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
Must Use	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			<i>1. Use any code other than code ZZ.</i>	
			<i>2. An application program conversion table may be required to convert agency codes to X12 codes.</i>	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C00102	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00103	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00104	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00105	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00106	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00107	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00108	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00109	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00110	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00111	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00112	649	Multiplier	O R 1/10

			Value to be used as a multiplier to obtain a new value	
Not Used	C00113	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00114	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00115	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	CTP06	648	Price Multiplier Qualifier	O ID 3/3
			Code indicating the type of price multiplier	
Not Used	CTP07	649	Multiplier	X R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	CTP08	782	Monetary Amount	O R 1/18
			Monetary amount	
Not Used	CTP09	639	Basis of Unit Price Code	O ID 2/2
			Code identifying the type of unit price for an item	
	CTP10	499	Condition Value	O AN 1/10
			Identifies rate restrictions or provisions	
			<i>When CTP02 is code ZNP, cite the applicable zone to which the price in CTP03 applies.</i>	
	CTP11	289	Multiple Price Quantity	O N0 1/2
			Quantity of units for a given price, e.g., 3 for \$10.00	
			<i>When the price cited in CTP03 is the price for more than a single item, e.g., 3 for \$10, identify the applicable quantity in this data element.</i>	

Segment:	MEA Measurements
Position:	049
Loop:	PO1 Optional
Level:	Detail
Usage:	Optional
Max Use:	40
Purpose:	To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required. 2 If MEA05 is present, then MEA04 is required. 3 If MEA06 is present, then MEA04 is required. 4 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required. 5 Only one of MEA08 or MEA03 may be present.
Semantic Notes:	1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.
Notes:	<p><i>1. Use this segment to provide information that applies to a specific line item, e.g., various measurements of the product, variations in quantity permitted when identified as a discrete value, and to specify a warranty period for a product.</i></p> <p><i>2. Use this segment when the offer differs from the solicitation requirements or to provide information essential to the offer.</i></p> <p><i>3. Codes used in MEA01 at this location may not be used in the 1/MEA/200 segment</i></p>

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
MEA01	737	Measurement Reference ID Code		O ID 2/2
		Code identifying the broad category to which a measurement applies		
		<i>Use any code.</i>		
		<i>QV Variation in Quantity</i>		
		<i>Use to indicate variations in quantity permitted when it is expressed as a discrete quantity. Specify the quantity under and/or over in MEA05/06. Use the 2/PCT/286 segment to specify variations in quantity expressed as a percent.</i>		
		<i>WR Warranty</i>		
		<i>Use to indicate a warranty period. Identify the warranty period in MEA03/04.</i>		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	MEA02	738	Measurement Qualifier	O ID 1/3
		Code identifying a specific product or process characteristic to which a		

			measurement applies	
	MEA03	739	Measurement Value	X R 1/20
			The value of the measurement	
	MEA04	C001	Composite Unit of Measure	X
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
Must Use	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			1. Use any code other than code ZZ. 2. When MEA01 is code QV, cite the same unit of measure identified in PO103. 3. When MEA01 is code WR, use only codes DA, LL, MO, and YR. 4. An application program conversion table may be required to convert agency codes to Accredited Standards Committee (ASC) X12 codes.	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C00102	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00103	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00104	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00105	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00106	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00107	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00108	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00109	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00110	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00111	1018	Exponent	O R 1/15
			Power to which a unit is raised	

Not Used	C00112	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00113	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00114	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00115	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
	MEA05	740	Range Minimum The value specifying the minimum of the measurement range <i>When MEA01 is code QV, use to specify the variation in quantity under.</i>	X R 1/20
	MEA06	741	Range Maximum The value specifying the maximum of the measurement range <i>When MEA01 is code QV, use to specify the variation in quantity over.</i>	X R 1/20
Not Used	MEA07	935	Measurement Significance Code Code used to benchmark, qualify or further define a measurement value	O ID 2/2
Not Used	MEA08	936	Measurement Attribute Code Code used to express an attribute response when a numeric measurement value cannot be determined	X ID 2/2
Not Used	MEA09	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described	O ID 2/2
Not Used	MEA10	1373	Measurement Method or Device The method or device used to record the measurement	O ID 2/4

Segment:	PID Product/Item Description
Position:	050
Loop:	PID Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	<ol style="list-style-type: none"> 1 If PID04 is present, then PID03 is required. 2 At least one of PID04 or PID05 is required. 3 If PID07 is present, then PID03 is required. 4 If PID08 is present, then PID04 is required. 5 If PID09 is present, then PID05 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 Use PID03 to indicate the organization that publishes the code list being referred to. 2 PID04 should be used for industry-specific product description codes. 3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate. 4 PID09 is used to identify the language being used in PID05.
Comments:	<ol style="list-style-type: none"> 1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used. 2 Use PID06 when necessary to refer to the product surface or layer being described in the segment. 3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	<i>Use this segment ONLY if it is necessary to further describe a line item specified in PO101.</i>

Data Element Summary

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	PID01	349 Item Description Type	M ID 1/1
		Code indicating the format of a description	
		F Free-form	
		S Structured (From Industry Code List)	
Not Used	PID02	750 Product/Process Characteristic Code	O ID 2/3
		Code identifying the general class of a product or process characteristic	
	PID03	559 Agency Qualifier Code	X ID 2/2
		Code identifying the agency assigning the code values	
		EP United States Environmental Protection Agency (EPA)	
	PID04	751 Product Description Code	X AN 1/12
		A code from an industry code list which provides specific data about a product characteristic	
	PID05	352 Description	X AN 1/80
		A free-form description to clarify the related data elements and their	

content

Use of free form text is discouraged if the information can be provided by some other means within the transaction set.

Not Used	PID06	752	Surface/Layer/Position Code	O ID 2/2
Code indicating the product surface, layer or position that is being described				
Not Used	PID07	822	Source Subqualifier	O AN 1/15
A reference that indicates the table or text maintained by the Source Qualifier				
Not Used	PID08	1073	Yes/No Condition or Response Code	O ID 1/1
Code indicating a Yes or No condition or response				
Not Used	PID09	819	Language Code	O ID 2/3
Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)				

Segment: **PWK** Paperwork

Position: 070

Loop: PO1 Optional

Level: Detail

Usage: Optional

Max Use: 25

Purpose: To identify the type or transmission or both of paperwork or supporting information

Syntax Notes: 1 If either PWK05 or PWK06 is present, then the other is required.

Semantic Notes:

Comments:

- 1 PWK05 and PWK06 may be used to identify the addressee by a code number.
- 2 PWK07 may be used to indicate special information to be shown on the specified report.
- 3 PWK08 may be used to indicate action pertaining to a report.

Notes:

1. *Use this segment to provide paperwork information that applies to a specific line item. Use the 1/PWK/210 segment to specify paperwork that is applicable to all of the line items.*
2. *Codes used in PWK01 at this location may not be used in the 1/PWK/210 segment.*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PWK01	755 Report Type Code	M ID 2/2
		Code indicating the title or contents of a document, report or supporting item	
		<i>Use to identify the type of paperwork the offeror is providing.</i>	
		25 Purchase Plan	
		<i>Use to indicate a make or buy plan.</i>	
		35 Subcontractor Plan	
		AE Attachment	
		<i>Use to indicate some additional type document is being provided by means other than within the transaction set. Specify the nature of the document in PWK07.</i>	
		C1 Cost Data Summary	
		<i>Use to indicate non-certified cost and price data.</i>	
		C5 Certified Cost and Price Data	
		C6 Wage Determination	
		<i>When used identify the Wage Determination number in the 2/N9/400 segment using code 2Y in N901.</i>	
		DW Drawing(s)	
		IT Certified Inspection and Test Results	

Use to indicate test results for a QBL, QML, or QPL item.

MS Material Safety Data Sheet

PJ Purchasing Specification

Specifications, generated by a customer, setting acceptance limits on the properties or performance of the product being purchased; purchasing specifications may additionally supply instructions for packaging, transportation, delivery, and payments

Use to indicate a Statement of Work.

SD Support Data for a Request for Quote

Use to indicate that supporting technical documentation, e.g., technical proposal, etc. are being provided. Use of this code is required when BQR06 is code AB.

TO Demand Report

Use to indicate a Contract Data Requirement List (CDRL) deliverable.

UA Union Agreement

US "BUY AMERICA" Certification of Compliance

PWK02 756 Report Transmission Code O ID 1/2

Code defining timing, transmission method or format by which reports are to be sent

While any listed code can be used, code EL is preferred when the indicated paperwork can be provided electronically using one of the transaction sets specifically designed for the purpose.

BM By Mail

Use to indicate transmittal via the USPS.

CF Courier

Use to indicate transmittal via commercial express courier.

DA Data

Use to indicate other forms of electronic transfer. When used, identify the other form in PWK07.

EL Electronically Only

Use to indicate that data was sent by a separate EDI transaction set. When used, identify the unique number of the transaction set in N902 of the 2/N9/400 segment citing code TN in N901.

EM E-Mail

FT File Transfer

Use to indicate File Transfer Protocol (FTP).

			FX	By Fax	
			IA	Electronic Image	
				<i>Use to indicate the World Wide Web. When used, provide the Universal Resource Locator (URL) where information is to be obtained in PWK07.</i>	
Not Used	PWK03	757	Report Copies Needed	O	N0 1/2
			The number of copies of a report that should be sent to the addressee		
	PWK04	98	Entity Identifier Code	O	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			<i>Use to identify the recipient of the paperwork. If there is more than one recipient of the same paperwork item, use multiple repetitions of the PWK segment with the same report code in PWK01. For other than code BY, provide the address of the recipient in the 2/N1/420 segment and, if known, the communications number of the recipient in the 2/PER/470 segment using an appropriate code in PER01.</i>		
			BY	Buying Party (Purchaser)	
				<i>Use to indicate the Contracting Officer.</i>	
			HMI	Material Safety Data Sheet (MSDS) Recipient	
			IS	Party to Receive Certified Inspection Report	
				<i>Use when PWK01 is code IT.</i>	
			KF	Audit Office	
				The office performing the audit	
			KG	Project Manager	
				The address of the person responsible for the management of a designated project	
				<i>Use to indicate the government party responsible for a project.</i>	
			KY	Technical Office	
	PWK05	66	Identification Code Qualifier	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
	PWK06	67	Identification Code	X	AN 2/80
			Code identifying a party or other code		
	PWK07	352	Description	O	AN 1/80
			A free-form description to clarify the related data elements and their content		
			<i>1. Use, only if necessary, to identify additional information related to a specific paperwork item.</i>		
			<i>2. When PWK02 is code DA, use to identify the other form of electronic transfer.</i>		

3. When PWK02 is code IA, used to identify the URL.

4. Use of free form text is discouraged if the information can be provided by some other means within the transaction set.

Not Used	PWK08	C002	Actions Indicated	O
			Actions to be performed on the piece of paperwork identified	
Not Used	C00201	704	Paperwork/Report Action Code	M ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required	
Not Used	C00202	704	Paperwork/Report Action Code	O ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required	
Not Used	C00203	704	Paperwork/Report Action Code	O ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required	
Not Used	C00204	704	Paperwork/Report Action Code	O ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required	
Not Used	C00205	704	Paperwork/Report Action Code	O ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required	
Not Used	PWK09	1525	Request Category Code	O ID 1/2
			Code indicating a type of request	

Segment:	PKG Marking, Packaging, Loading
Position:	080
Loop:	PO1 Optional
Level:	Detail
Usage:	Optional
Max Use:	25
Purpose:	To describe marking, packaging, loading, and unloading requirements
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of PKG04 PKG05 or PKG06 is required. 2 If PKG04 is present, then PKG03 is required. 3 If PKG05 is present, then PKG01 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 PKG04 should be used for industry-specific packaging description codes.
Comments:	<ol style="list-style-type: none"> 1 Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc. 2 If PKG01 equals "F", then PKG05 is used. If PKG01 equals "S", then PKG04 is used. If PKG01 equals "X", then both PKG04 and PKG05 are used. 3 Use PKG03 to indicate the organization that publishes the code list being referred to. 4 Special marking or tagging data can be given in PKG05 (description).
Notes:	<ol style="list-style-type: none"> 1. <i>Packaging information such as the number of items in a unit container; the number of unit containers in an intermediate container; and the gross weight, cube and dimensions of a unit or intermediate container is carried in the 2/PO4/090 segment.</i> 2. <i>The use of MILSTD 2073-1C codes to identify packaging requirements for items in this award instrument are primarily for items that are expected to enter the military distribution system. Commercial packaging is expected to be used to the maximum extent possible for all other items.</i> 3. <i>Commercial packaging requirements are specified by the use of PKG02 code PK, PKG03 code DF, and citing the corresponding code U in PKG04.</i> 4. <i>Use this segment when the offer differs from the solicitation requirements or to provide information essential to the offer.</i>

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
PKG01	349	Item Description Type	X ID 1/1
		Code indicating the format of a description	
		F Free-form	
		S Structured (From Industry Code List)	
		X Semi-structured (Code and Text)	
PKG02	753	Packaging Characteristic Code	O ID 1/5
		Code specifying the marking, packaging, loading and related characteristics being described	

Use the listed codes to identify applicable packaging requirements.

CD	Cleaning or Drying Procedure
CT	Cushioning Thickness
CUD	Cushioning and Dunnage
IC	Intermediate Container
OPI	Optional Procedure Indicator
PK	Packing

To specify commercial packaging, cite code DF in PKG03 and code U in PKG04.

PM	Preservation Method
PML	Preservation Material
SMK	Special Marking
UC	Unit Container
UCL	Unit Container Level
WM	Wrapping Material

PKG03 559 Agency Qualifier Code X ID 2/2

Code identifying the agency assigning the code values

DF	Department of Defense (DoD)
GS	General Services Administration (GSA)
	Responsible for Federal Specification
ZZ	Mutually Defined

Use to indicate a federal activity other than DoD or GSA.

PKG04 754 Packaging Description Code X AN 1/7

A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product

1. The actual codes associated with the packaging characteristics codes cited in PKG02 can be found in Code Source List 197 (MIL-STD 2073 -1C).

2. Whenever a code is used in PKG04 requires an explanation or additional information, provide it in PKG05.

PKG05 352 Description X AN 1/80

A free-form description to clarify the related data elements and their content

1. Use to provide Supplemental Instructions or Special Packaging Instructions. If the information to be provided exceeds the maximum length of this data element, provide the information in the N9 loop, using code L1 in N901.

2. Use of free form text is discouraged if the information can be provided by some other means within the transaction set.

PKG06 400 Unit Load Option Code X ID 2/2

Code identifying loading or unloading a shipment

01	Palletized
10	Shrink-wrap

Segment: **PO4** Item Physical Details

Position: 090

Loop: PO1 Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify the physical qualities, packaging, weights, and dimensions relating to the item

- Syntax Notes:**
- 1 If either PO402 or PO403 is present, then the other is required.
 - 2 If PO405 is present, then PO406 is required.
 - 3 If either PO406 or PO407 is present, then the other is required.
 - 4 If either PO408 or PO409 is present, then the other is required.
 - 5 If PO410 is present, then PO413 is required.
 - 6 If PO411 is present, then PO413 is required.
 - 7 If PO412 is present, then PO413 is required.
 - 8 If PO413 is present, then at least one of PO410 PO411 or PO412 is required.
 - 9 If PO417 is present, then PO416 is required.
 - 10 If PO418 is present, then PO404 is required.

- Semantic Notes:**
- 1 PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
 - 2 PO416 is the package identifier or the beginning package identifier in a range of identifiers.
 - 3 PO417 is the ending package identifier in a range of identifiers.
 - 4 PO418 is the number of packages in this layer.

- Comments:**
- 1 PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12 -Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".
 - 2 PO413 defines the unit of measure for PO410, PO411, and PO412.

- Notes:**
1. *Use this segment to specify the weight, cube, or dimensions of the unit or intermediate pack; the unit pack quantity or intermediate container quantity; to indicate that palletized loads are required; or to indicate that shrink wrap is required. To specify the unit pack quantity, use PO401 and PO404 (code UNT). If there are 50 pairs in a unit container, PO401 would cite 50 and PO404 would cite code UNT.*
 2. *If it is necessary to specify not only the quantity of items in a unit container, but also the size and unit of measure of those items, use PO401, PO402, PO403 and PO404. In this instance, if there are 24, 12 ounce bottles in the unit container, PO401 would cite 24, PO402 would cite 12, PO403 would cite code OZ and PO404 would cite code UNT. In either of these examples, the number of unit containers in an intermediate container would be carried in PO414. If only the quantity per intermediate container is required, use code INT in PO404 and cite the quantity in PO414.*

3. Use this segment when the offer differs from the solicitation requirements or to provide information essential to the offer.

Data Element Summary			
Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
PO401	356	Pack	O N0 1/6
		The number of inner containers, or number of eaches if there are no inner containers, per outer container	
		1. Use to identify the unit pack quantity.	
		2. Cite the number 777777 to indicate a bulk quantity (MIL-STD 2073 -1C code BLK).	
PO402	357	Size	X R 1/8
		Size of supplier units in pack	
		Use only to identify the size of the individual items within a unit container.	
PO403	355	Unit or Basis for Measurement Code	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		1. Use any code other than code ZZ.	
		2. An application program conversion table may be required to convert agency codes to X12 codes.	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
PO404	103	Packaging Code	X AN 3/5
		Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required	
		INT	Intermediate Container
		UNT	Unit
PO405	187	Weight Qualifier	O ID 1/2
		Code defining the type of weight	
		Use any code other than code Z.	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
PO406	384	Gross Weight per Pack	X R 1/9
		Numeric value of gross weight per pack	
		Use this data element to specify the weight of a container. The weight shall be provided to 1 decimal place.	
PO407	355	Unit or Basis for Measurement Code	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		1. Use any code other than code ZZ.	

			<p><i>2. An application program conversion table may be required to convert agency codes to X12 codes.</i></p> <p>Refer to 004010 Data Element Dictionary for acceptable code values.</p>
PO408	385	Gross Volume per Pack	X R 1/9
		Numeric value of gross volume per pack	
			<i>Use this data element to specify the cube of a container. The cube shall be provided to 3 decimal places.</i>
PO409	355	Unit or Basis for Measurement Code	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			<i>1. Use any code other than code ZZ.</i>
			<i>2. An application program conversion table may be required to convert agency codes to X12 codes.</i>
			Refer to 004010 Data Element Dictionary for acceptable code values.
PO410	82	Length	X R 1/8
		Largest horizontal dimension of an object measured when the object is in the upright position	
			<i>The length shall be specified to 1 decimal place.</i>
PO411	189	Width	X R 1/8
		Shorter measurement of the two horizontal dimensions measured with the object in the upright position	
			<i>The width shall be specified to 1 decimal place.</i>
PO412	65	Height	X R 1/8
		Vertical dimension of an object measured when the object is in the upright position	
			<i>Use to specify the depth of a container. The depth shall be specified to 1 decimal place.</i>
PO413	355	Unit or Basis for Measurement Code	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			<i>1. Use any code other than code ZZ.</i>
			<i>2. An application program conversion table may be required to convert agency codes to X12 codes.</i>
			Refer to 004010 Data Element Dictionary for acceptable code values.
PO414	810	Inner Pack	O N0 1/6
		The number of eaches per inner container	
			<i>Use to specify the quantity of unit containers in an intermediate container.</i>
Not Used	PO415	752	Surface/Layer/Position Code
			O ID 2/2
		Code indicating the product surface, layer or position that is being	

			described	
Not Used	PO416	350	Assigned Identification	X AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set	
Not Used	PO417	350	Assigned Identification	O AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set	
Not Used	PO418	1470	Number	O N0 1/9
			A generic number	

Segment:	SAC Service, Promotion, Allowance, or Charge Information
Position:	130
Loop:	PO1 Optional
Level:	Detail
Usage:	Optional
Max Use:	25
Purpose:	To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of SAC02 or SAC03 is required. 2 If either SAC03 or SAC04 is present, then the other is required. 3 If either SAC06 or SAC07 is present, then the other is required. 4 If either SAC09 or SAC10 is present, then the other is required. 5 If SAC11 is present, then SAC10 is required. 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required. 7 If SAC14 is present, then SAC13 is required. 8 If SAC16 is present, then SAC15 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required. 2 SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence. 3 SAC08 is the allowance or charge rate per unit. 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge. 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used. 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion. 7 SAC16 is used to identify the language being used in SAC15.
Comments:	<ol style="list-style-type: none"> 1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02. 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.
Notes:	<ol style="list-style-type: none"> 1. <i>Use this segment to identify prices and, if applicable, quantities, for services or non-CLIN charges (e.g., taxes) identified in the solicitation that apply to a specific line item. If the amounts and quantities for the services, allowances or non-CLIN charges apply to all of the line items, use the 1/SAC/120 segment.</i> 2. <i>Codes used in SAC02 at this location, may not be used in the 1/SAC/120 segment.</i> 3. <i>Use this segment when the offer differs from the solicitation requirements or to provide information essential to the offer.</i>

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	SAC01	248	Allowance or Charge Indicator	M ID 1/1

Code which indicates an allowance or charge for the service specified

A	Allowance
C	Charge
N	No Allowance or Charge

Use to indicate there is no charge for the service specified SAC02.

	SAC02	1300	Service, Promotion, Allowance, or Charge Code	X ID 4/4
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Code identifying the service, promotion, allowance, or charge

1. Any code may be used but the listed codes are preferred.

2. As a minimum, the codes listed in the solicitation must be used to identify whether or not there is a charge.

A310	Air Express Charge
A320	Air Transportation Charge
A480	Assembly
B180	Cleaning Charge
B870	Customs Charge
B940	Cutting Charge
C000	Defective Allowance
C240	Disconnect Charge
C260	Discount - Incentive

Use to indicate that the contractor offers a discount when payment is made using the government credit card. Identify the discount as a total monetary value in SAC05, or as a percent in SAC06/07, or as a monetary rate in SAC08.

C300 Discount - Special

Use to indicate an incremental quantity discount. An incremental quantity discount applies only to the quantity units within its specified range. Successive incremental discounts are applied against a total order quantity. For example, if different discounts are given for quantities, 1 - 10, 11 - 20, 21 - 30, etc., use of this code implies that for a quantity of 25, the first discount applies to the first 10 units, the second discount applies to the next 10 units and the third discount applies to the last 5 units. Identify the percentage discount in SAC06/07 (citing code 5 in SAC06) or a monetary value discount in SAC08. Identify the quantity range in SAC10/11. This is contrast to the F910 step ladder discount that applies a single discount to the total line item quantity.

C310 Discount

Use to indicate a general discount not related to a quantity or purchase amount. Identify the percentage discount in SAC06/07 or a monetary value discount in SAC08. This general discount may be used in combination with C300 or F910. Do not include any general discount within the C300 or F910 discount considerations.

C330 Distribution Fee

C370 Diversion Charge

C580 Emergency Service

C590 Emergency Surcharge

C830 Expanded Service

Use to indicate the cost for service beyond the basic area. Identify the cost in SAC05 and the area in SAC09/10/11.

C880 Expediting Premium

D170 Free Goods

Use to indicate a quantity provided at no cost if a specified quantity or monetary value is purchased, e.g., buy \$100.00 and get 1 free; or buy 10, get 1 free. When a monetary value is used, identify the "buy" monetary amount in SAC05. When a specified quantity is used, identify the "free" quantity in SAC10 and the "buy" quantity in SAC11.

D290 Full Truckload Allowance

D440 Groupage Discount

Use to indicate a discount applicable to a line item total purchase amount meeting or exceeding a specified threshold or range. Identify the percentage discount in SAC06/07 (citing code 2 in SAC06) or the monetary value discount in SAC08. When a threshold is used, specify the threshold SAC10. When a range is used, specify the range in SAC10/11.

D500 Handling

D530 Hazardous Cargo Charge

D660 Hook-up Charge

D820 Inside Delivery

D870 Inspection

D890 Installation and Training

D900 Installation

E340 Less Than Truckload (LTL) Charge

Use to indicate a charge for less than a full carload or truckload.

E400 Loading (Labor Charges)

E930 One-Day Service

F150 Packaging Service

F460 Postage

F560 Premium Transportation

F830 Proof of Delivery

Use to indicate a charge for preparation of a DD Form 250.

F910 Quantity Discount

Use to indicate a step ladder discount applicable to a quantity range. The discount specified for the quantity range containing the total line item quantity is the discount to be applied to the unit price. Identify the percentage discount in SAC06/07 (citing code 5 in SAC06) or a monetary value discount in SAC08. Identify the quantity range in SAC10/11. This is contrast to the C300 incremental discount that applies to that portion of the total line item quantity within each increment.

G030 Reconnect Charge

G350 Rents and Leases

G470 Restocking Charge

G530 Rework

G580 Royalties

G600 Same-Day Service

G610 Saturday Delivery

G660 Scrap Allowance

G740 Service Charge

Use to indicate a basic charge for a service call. If the charge varies by distance, e.g., a set price within a 25 mile range, another price within a 50 mile range, etc. use SAC09/10/11 to provide that information.

G760 Set-up

G870 Shrink Wrap Charge

H000 Special Allowance

H030 Special Credit

Use to indicate the portion of the lease amount that is credited toward the purchase price on a lease with option to purchase (LWOP). Use SAC06/07 to identify a percent or SAC08 to specify a discrete amount.

H110 Special Packaging

H170 Special Tooling Charge

H430 Storage

H550 Surcharge

H850 Tax

Use to indicate that the offeror is required to identify total taxes applicable to the total quote amount that are included in the unit prices.

H990 Testing Services Charge

I260 Transportation Direct Billing

I330 Two-Day Service

I380 Unloading (Labor Charges)

I590 Warranties

ZZZZ Mutually Defined

			<i>Use to indicate a training charge.</i>	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	SAC03	559	Agency Qualifier Code	X ID 2/2
			Code identifying the agency assigning the code values	
Not Used	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X AN 1/10
			Agency maintained code identifying the service, promotion, allowance, or charge	
	SAC05	610	Amount	O N2 1/15
			Monetary amount	
			<i>When SAC02 is code D170, identify the "buy" monetary value to obtain free goods, if applicable. For all other SAC02 codes, see semantic note 2.</i>	
	SAC06	378	Allowance/Charge Percent Qualifier	X ID 1/1
			Code indicating on what basis allowance or charge percent is calculated	
			<i>Use any code other than code Z.</i>	
			2	Item Net Cost
			<i>Use to indicate a percentage applied to the Line Item total amount.</i>	
			5	Base Price per Unit
			<i>Use to indicate a percentage applied to the Line Item unit price.</i>	
			Z	Mutually Defined
			<i>When SAC02 is code H030, use to indicate the credit percentage applicable to the lease amount.</i>	
	SAC07	332	Percent	X R 1/6
			Percent expressed as a percent	
			<i>Cite 4.25% as 4.25; cite 3% as 3 (note: leading and trailing zeros are suppressed).</i>	
	SAC08	118	Rate	O R 1/9
			Rate expressed in the standard monetary denomination for the currency specified	
			<i>See semantic not 3.</i>	
	SAC09	355	Unit or Basis for Measurement Code	X ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			<i>1. Use any code other than code ZZ.</i>	
			<i>2. When code M4 is cited and CUR01 in the 1/CUR/040 segment cites code BY, the monetary amount in SAC10 shall be stated as the currency identified in CUR02.</i>	
			<i>3. An applicationprogram conversion table may be required to convert</i>	

agency codes to ASC X12 codes.

Refer to 004010 Data Element Dictionary for acceptable code values.

SAC10 380 Quantity X R 1/15

Numeric value of quantity

- 1. When SAC02 is code C300, use to identify the lower end of a quantity range that results in an incremental quantity discount.*
- 2. When SAC02 is code D170, use to identify the "free" quantity.*
- 3. When SAC02 is code D440, use to identify the line item total purchase amount that results in a discount, if applicable.*
- 4. When SAC02 is code F910, use to identify the lower end of a quantity range that results in a step ladder discount.*
- 5. When SAC02 is code G740, use to identify the distance applicable to a service charge, if appropriate.*
- 6. When SAC02 is any other code, use to identify the quantity to which the charge, allowance, or discount applies. In most instances this quantity will be 1, but if a greater quantity applies, cite that quantity.*

SAC11 380 Quantity O R 1/15

Numeric value of quantity

- 1. Use only if SAC10 is used. SAC10/11 are used together to identify a range except when SAC02 is code D170.*
- 2. When SAC02 is code C300 or F910, use to identify the upper end of the quantity range associated with SAC10.*
- 3. When SAC02 is code D170, use to identify the "buy" quantity, if applicable.*
- 4. When SAC02 is any other code, use to identify the upper end of a quantity range to which the charge, allowance, or discount applies.*

Not Used SAC12 331 Allowance or Charge Method of Handling Code O ID 2/2

Code indicating method of handling for an allowance or charge

SAC13 127 Reference Identification X AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

If the discount, allowance, charge, or no charge service applies to a delivery zone, identify the zone in this data element. The delivery zones and locations within each zone are identified in the 1/N1/310 loop.

Not Used SAC14 770 Option Number O AN 1/20

A unique number identifying available promotion or allowance options when more than one is offered

Not Rec	SAC15	352	Description <div> X AN 1/80 </div> <p>A free-form description to clarify the related data elements and their content</p> <div> <p><i>1. Use, if necessary, to provide text information related to the information provided within this segment.</i></p> <p><i>2. Use of free form text is discouraged if the information can be provided by some other means within the transaction set.</i></p> </div>
Not Used	SAC16	819	Language Code <div> O ID 2/3 </div> <p>Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)</p>

Segment: **FOB** F.O.B. Related Instructions

Position: 180

Loop: PO1 Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify transportation instructions relating to shipment

Syntax Notes: 1 If FOB03 is present, then FOB02 is required.

2 If FOB04 is present, then FOB05 is required.

3 If FOB07 is present, then FOB06 is required.

4 If FOB08 is present, then FOB09 is required.

Semantic Notes: 1 FOB01 indicates which party will pay the carrier.

2 FOB02 is the code specifying transportation responsibility location.

3 FOB06 is the code specifying the title passage location.

4 FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

Comments:

Notes: 1. Use this segment to specify an FOB point for a specific line item.

2. This segment is not used when the offer is for a service without deliverables or construction.

3. Use this segment when the offer differs from the solicitation requirements or to provide information essential to the offer.

Data Element Summary

Ref.	Data		
Des.	Element	Name	Attributes
Must Use	FOB01	146 Shipment Method of Payment	M ID 2/2

Code identifying payment terms for transportation charges

DF Defined by Buyer and Seller

Use this code only to satisfy the mandatory nature of this data element. The receiving application should not process this data. FOB terms are defined in the incorporated FOB FAR clause.

FOB02	309	Location Qualifier	X ID 1/2
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Code identifying type of location

Use to indicate the FOB point.

DE Destination (Shipping)

OA Origin (After Loading on Equipment)

Use to indicate FOB Origin with transportation charges prepaid by the seller and added as a separate item to the invoice. See FAR clause 52.247-32.

OR Origin (Shipping Point)
 TM Terminal

1. Use to indicate that the FOB point for delivery outside the continental United States is located at a transportation terminal and not at origin or destination. FAR clauses 52.247-38, 52.247-39, or a similar FAR clause may apply.

2. When used, identify the FOB point in FOB03.

W Worldwide Geographic Location Code

Use to indicate the FOB point for deliveries within the continental United States is destination and the FOB point for deliveries outside the continental United States is origin.

	FOB03	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	
			<i>When FOB02 is code TM, use to identify the location of the FOB point. Cite the 5 position United Nations code for ports and other locations (UN/LOCODE) in accordance with the United Nations Location Code Manual.</i>	
Not Used	FOB04	334	Transportation Terms Qualifier Code	O ID 2/2
			Code identifying the source of the transportation terms	
Not Used	FOB05	335	Transportation Terms Code	X ID 3/3
			Code identifying the trade terms which apply to the shipment transportation responsibility	
Not Used	FOB06	309	Location Qualifier	X ID 1/2
			Code identifying type of location	
Not Used	FOB07	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	
Not Used	FOB08	54	Risk of Loss Code	O ID 2/2
			Code specifying where responsibility for risk of loss passes	
Not Used	FOB09	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	

Segment: **DTM** Date/Time Reference

Position: 200

Loop: PO1 Optional

Level: Detail

Usage: Optional

Max Use: 10

Purpose: To specify pertinent dates and times

- Syntax Notes:
- 1 At least one of DTM02 DTM03 or DTM05 is required.
 - 2 If DTM04 is present, then DTM03 is required.
 - 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

1. Use this segment to provide dates that apply to a specific line item.
2. Use this segment when the offer differs from the solicitation requirements or to provide information essential to the offer.

Data Element Summary

Ref.	Data		Attributes
Des.	Element	Name	
Must Use	DTM01	374 Date/Time Qualifier	M ID 3/3

Code specifying type of date or time, or both date and time

017 Estimated Delivery

075 Promised for Delivery (Prior to and Including)

Use to indicate the date on or before which the offeror proposes to make delivery.

131 Item Contract Effective

Use with code RD8 in DTM05 to indicate the ordering period for a line item, e.g., a provisioned item. Specify the date range in DTM06.

193 Period Start

Use to indicate the start of a period of performance or lease.

194 Period End

Use to indicate the end of a period of performance or lease.

641 Option

Use with DTM02 to indicate the last date for the exercise of an option or with DTM05/06 to indicate the period during which the option may be exercised.

800 Midpoint of Performance

Use to indicate the date when half the effort in terms of dollars or hours will be completed.

Use to indicate the extension date requested for an offer submission for the line item identified in PO101. Not applicable to IFB.

	DTM02	373	Date	X	DT 8/8
			Date expressed as CCYYMMDD		
Not Used	DTM03	337	Time	X	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
Not Used	DTM04	623	Time Code	O	ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow		
	DTM05	1250	Date Time Period Format Qualifier	X	ID 2/3
			Code indicating the date format, time format, or date and time format		
			RD8		Range of Dates Expressed in Format CCYYMMDD -CCYYMMDD
					A range of dates expressed in the format CCYYMMDD-CCYYMMDD where CCYY is the numerical expression of the century CC and year YY, MM is the numerical expression of the month within the year, and DD is the numerical expression of the day within the year; the first occurrence of CCYYMMDD is the beginning date and the second occurrence is the ending date
	DTM06	1251	Date Time Period	X	AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times		

Segment:	TD5 Carrier Details (Routing Sequence/Transit Time)
Position:	250
Loop:	PO1 Optional
Level:	Detail
Usage:	Optional
Max Use:	12
Purpose:	To specify the carrier and sequence of routing and provide transit time information
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of TD502 TD504 TD505 TD506 or TD512 is required. 2 If TD502 is present, then TD503 is required. 3 If TD507 is present, then TD508 is required. 4 If TD510 is present, then TD511 is required. 5 If TD513 is present, then TD512 is required. 6 If TD514 is present, then TD513 is required. 7 If TD515 is present, then TD512 is required.
Semantic Notes:	1 TD515 is the country where the service is to be performed.
Comments:	1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.
Notes:	<p><i>1. Use this segment to identify the transportation method that is applicable to a specific line item.</i></p> <p><i>2. Use this segment when the offer differs from the solicitation requirements or to provide information essential to the offer.</i></p>

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Not Used	TD501	133 Routing Sequence Code	O ID 1/2
		Code describing the relationship of a carrier to a specific shipment movement	
Not Used	TD502	66 Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
Not Used	TD503	67 Identification Code	X AN 2/80
		Code identifying a party or other code	
	TD504	91 Transportation Method/Type Code	X ID 1/2
		Code specifying the method or type of transportation for the shipment	
		<p><i>1. Use any code other than code ZZ.</i></p> <p><i>2. An application program conversion table may be required to convert agency codes to X12 codes.</i></p> <p><i>D Parcel Post</i></p> <p><i>Use to indicate the US Postal Service and not a private carrier.</i></p>	

			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	TD505	387	Routing	X AN 1/35
			Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	
Not Used	TD506	368	Shipment/Order Status Code	X ID 2/2
			Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction	
Not Used	TD507	309	Location Qualifier	O ID 1/2
			Code identifying type of location	
Not Used	TD508	310	Location Identifier	X AN 1/30
			Code which identifies a specific location	
Not Used	TD509	731	Transit Direction Code	O ID 2/2
			The point of origin and point of direction	
Not Used	TD510	732	Transit Time Direction Qualifier	O ID 2/2
			Code specifying the value of time used to measure the transit time	
Not Used	TD511	733	Transit Time	X R 1/4
			The numeric amount of transit time	
	TD512	284	Service Level Code	X ID 2/2
			Code indicating the level of transportation service or the billing service offered by the transportation carrier	
Use any code other than code ZZ.				
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	TD513	284	Service Level Code	X ID 2/2
			Code indicating the level of transportation service or the billing service offered by the transportation carrier	
Not Used	TD514	284	Service Level Code	O ID 2/2
			Code indicating the level of transportation service or the billing service offered by the transportation carrier	
Not Used	TD515	26	Country Code	O ID 2/3
			Code identifying the country	

Segment:	TD4 Carrier Details (Special Handling, or Hazardous Materials, or Both)
Position:	270
Loop:	PO1 Optional
Level:	Detail
Usage:	Optional
Max Use:	5
Purpose:	To specify transportation special handling requirements, or hazardous materials information, or both
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of TD401 TD402 or TD404 is required. 2 If TD402 is present, then TD403 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 TD405 identifies if a Material Safety Data Sheet (MSDS) exists for this product. A "Y" indicates an MSDS exists for this product; an "N" indicates an MSDS does not exist for this product.
Comments:	
Notes:	<ol style="list-style-type: none"> 1. Use this segment to provide special handling or hazardous material information that applies to a specific line item. 2. Use this segment when the offer differs from the solicitation requirements or to provide information essential to the offer.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
TD401	152	Special Handling Code	X ID 2/3
		Code specifying special transportation handling instructions	
		<i>Any code, other than code ZZZ, may be used but the listed codes are preferred.</i>	
		<i>AMM A.M. Delivery Requirement</i>	
		<i>DA Dangerous</i>	
		<i>EX Explosive Flammable Gas</i>	
		<i>FG Flammable Gas</i>	
		<i>FL Flammable</i>	
		<i>FP Flammable Poison Gas</i>	
		<i>HM Endorsed as Hazardous Material</i>	
		<i>LT Less Than Full Carload</i>	
		<i>LTT Less Than Truckload</i>	
		<i>PG Poisonous Gas</i>	
		<i>PMM P.M. Delivery Requirement</i>	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
TD402	208	Hazardous Material Code Qualifier	X ID 1/1
		Code which qualifies the Hazardous Material Class Code (209)	
		U United Nations	
TD403	209	Hazardous Material Class Code	X AN 1/4
		Code specifying the kind of hazard for a material	

Not Rec	TD404	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	
			<i>Use of free form text is discouraged if the information can be provided by some other means within the transaction set.</i>	
Not Used	TD405	1073	Yes/No Condition or Response Code	O ID 1/1
			Code indicating a Yes or No condition or response	

Segment: **PCT** Percent Amounts
Position: 286
Loop: PO1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To qualify percent amounts and supply percent amounts
Syntax Notes:
Semantic Notes:
Comments:

Notes: *1. Use this segment to carry percentages that apply to a specific line item. Use the 1/PCT/286 segment if the percentages apply to all of the line item.*
2. Codes used in PCT01 at this location may not be used in the 1/PCT/286 segment.

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Must Use	PCT01	1004	Percent Qualifier	M ID 1/2
			Code to qualify percent	
		CR	Contractor Share Ratio	
			<i>Use to indicate the contractor's portion of the target cost associated with a line item pricing arrangement.</i>	
		CS	Customer Share Ratio	
			<i>Use to indicate the Government's portion of the target cost associated with a line item pricing arrangement.</i>	
		KA	Variation in Quantity Over	
			The percent over a stated quantity in an order or line item on a contract, which the buyer agrees to accept and pay for, if delivered in an acceptable condition	
		KB	Variation in Quantity Under	
			The percent under a stated quantity in an order or line item on a contract, which will constitute an acceptable performance, if less than the stated quantity delivered	
		LM	Limit	
			<i>Use to indicate the percentage of the replacement price above which repair/overhaul of the item identified in the PO1 segment is not cost effective.</i>	
Must Use	PCT02	954	Percent	M R 1/10
			Percentage expressed as a decimal	

Cite 4.25% as .0425; cite 3% as .03 (note: leading and trailing zeros are suppressed).

Segment: **MSG** Message Text

Position: 287

Loop: PO1 Optional

Level: Detail

Usage: Optional (Not Recommended)

Max Use: >1

Purpose: To provide a free-form format that allows the transmission of text information

Syntax Notes: 1 If MSG03 is present, then MSG02 is required.

Semantic Notes: 1 MSG03 is the number of lines to advance before printing.

Comments: 1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
2 If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.

Notes: 1. *Use this segment to provide, in plain text, information not associated with a lead time, clause or address.*
2. *Use of free form text is discouraged if the information can be provided by some other means within the transaction set.*

Data Element Summary

	Ref.	Data		Attributes
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
Must Use	MSG01	933	Free-Form Message Text	M AN 1/264
			Free-form message text	
Not Used	MSG02	934	Printer Carriage Control Code	X ID 2/2
			A field to be used for the control of the line feed of the receiving printer	
Not Used	MSG03	1470	Number	O N0 1/9
			A generic number	

Segment: **CTB** Restrictions/Conditions

Position: 288

Loop: PO1 Optional

Level: Detail

Usage: Optional

Max Use: 5

Purpose: To specify restrictions/conditions (such as shipping, ordering)

- Syntax Notes:**
- 1 At least one of CTB02 CTB04 or CTB06 is required.
 - 2 If either CTB03 or CTB04 is present, then the other is required.
 - 3 If either CTB05 or CTB06 is present, then the other is required.

Semantic Notes:

Comments:

- Notes:**
1. Use this segment to identify conditions that apply to a specific line item.
 2. Use this segment when the offer differs from the solicitation requirements or to provide information essential to the offer.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	CTB01	688	Restrictions/Conditions Qualifier	M ID 2/2
			Code identifying the type of restriction/condition	
			OR Ordering	
Not Rec	CTB02	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	
			<i>Use, if necessary, to identify restrictions/conditions that cannot be identified in a codified form or to provide additional information related to a restriction/conditions.</i>	
	CTB03	673	Quantity Qualifier	X ID 2/2
			Code specifying the type of quantity	
			<i>If either code MN or 3W are cited in this data element, another repetition of this segment is REQUIRED citing the other code in this data element.</i>	
		3W	Maximum Transfer	
			<i>Use to indicate a limited line item quantity that can be ordered in a specified time period per FAR 16.503 and 504. Use of this code requires another repetition of this segment citing code MN in CTB03.</i>	
		57	Minimum Order Quantity	
			<i>Use to indicate the required minimum line item quantity per order.</i>	
		70	Maximum Order Quantity	

			<i>Use to indicate the allowable maximum line item quantity per order per FAR clause 52.216-19.</i>
		MN	Month
			<i>Use to indicate the number of months over which a specified limited line item quantity may be ordered, e.g., no more than 500 units per month per FAR 16.503 and 504. Use of this code requires another repetition of this segment citing code 3W in CTB03.</i>
CTB04	380	Quantity	X R 1/15
		Numeric value of quantity	
CTB05	522	Amount Qualifier Code	X ID 1/3
		Code to qualify amount	
		MA	Maximum Amount
			<i>Use to indicate the allowable line item maximum monetary amount per order per FAR clause 52.216-19.</i>
		MO	Minimum Order Value
			Minimum value of order allowed
			<i>Use to indicate the required line item minimum monetary amount per order.</i>
CTB06	610	Amount	X N2 1/15
		Monetary amount	

Segment:	SPI Specification Identifier
Position:	289
Loop:	PO1 Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To provide a description of the included specification or technical data items
Syntax Notes:	1 If either SPI02 or SPI03 is present, then the other is required.
Semantic Notes:	
Comments:	
Notes:	<i>Use this segment to identify those elements of the offer that have a government security classification or commercial protection level.</i>

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SPI01	786 Security Level Code	M ID 2/2
		Code indicating the level of confidentiality assigned by the sender to the information following	
		<i>Use to identify the level of government security classification or commercial protection level applicable to the items identified in SPI02/03. If the item has both a government security classification and a commercial protection level, cite the government security classification in this data element and cite the commercial protection level in SPI09.</i>	
		06 Supplier Proprietary	
		11 Competition Sensitive	
		92 Government Confidential	
		93 Government Secret	
		94 Government Top Secret	
SPI02	128	Reference Identification Qualifier	X ID 2/3
		Code qualifying the Reference Identification	
		<i>1. Use to identify items within the transaction set that are either government classified, e.g., drawing number, SOW, or those items that have a commercial protection level assigned by the offeror. Use SPI04 to further define the number or to describe the item cited in SPI03, if necessary.</i>	
		<i>2. Use any code other than code ZZ. Use the listed code in accordance with the note.</i>	
		91 Cost Element	
		<i>Use to indicate cost or price data, e.g., unit price, labor rate, overhead rate, etc. When this code is used, cite the number to which the protection level applies in SPI03 and use SPI04 to define the number.</i>	

			Refer to 004010 Data Element Dictionary for acceptable code values.	
	SPI03	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	SPI04	790	Entity Title	O AN 1/132
			Title of the data entity	
			<i>Use only if necessary to further define the number in SPI03.</i>	
Not Used	SPI05	791	Entity Purpose	O AN 1/80
			The reason for the existence of the data item specified by the electronic data item independent of its presence in an EDI transaction	
Not Used	SPI06	792	Entity Status Code	O ID 1/1
			Code indicating the current status of the data item specified by the electronic data item	
Not Used	SPI07	353	Transaction Set Purpose Code	O ID 2/2
			Code identifying purpose of transaction set	
Not Used	SPI08	755	Report Type Code	O ID 2/2
			Code indicating the title or contents of a document, report or supporting item	
	SPI09	786	Security Level Code	O ID 2/2
			Code indicating the level of confidentiality assigned by the sender to the information following	
			<i>When SPI01 is code 92, 93, or 94, use to identify the commercial protection level assigned to the item identified in SPI03, if applicable.</i>	
			06 Supplier Proprietary	
			11 Competition Sensitive	
Not Used	SPI10	559	Agency Qualifier Code	O ID 2/2
			Code identifying the agency assigning the code values	
Not Used	SPI11	822	Source Subqualifier	O AN 1/15
			A reference that indicates the table or text maintained by the Source Qualifier	
Not Used	SPI12	554	Assigned Number	O N0 1/6
			Number assigned for differentiation within a transaction set	
Not Used	SPI13	1322	Certification Type Code	O ID 1/1
			Code indicating the type of certification	
Not Used	SPI14	1401	Proposal Data Detail Identifier Code	O ID 1/3
			Code identifying the basis of a cited value in a proposal	
Not Used	SPI15	1005	Hierarchical Structure Code	O ID 4/4
			Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set	

Segment: **PD Pricing Data**

Position: 392

Loop: PD Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To describe the pricing basic input detail

Syntax Notes:

Semantic Notes:

- 1 PD01 is the unit of the time period contained in PD02.
- 2 PD02 is the date of the start of the time period in PD01.
- 3 PD04 is the quantity of the unit of measurement in PD03.
- 4 PD05 is the name of the cost element being proposed.
- 5 PD06 is the description of the name of the cost element being proposed.
- 6 PD08 is a reference to a specific paragraph number contained in an external document.
- 7 PD09 is the category of the data being proposed.

Comments:

Notes:

1. *Use this loop to provide labor categories, hours, rates, overhead rates, time periods and other cost information.*
2. *The information contained in this loop is only applicable to the line item within the same PO1 loop.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PD01	344	Unit of Time Period or Interval		M ID 2/2
			Code indicating the time period or interval		
			<i>Use any code.</i>		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Must Use	PD02	373	Date		M DT 8/8
			Date expressed as CCYYMMDD		
			<i>Use to identify the commencement date of the time period specified in PD01, e.g., if PD01 is code CY, then 19940101 would indicate the calendar year commencing January 1, 1994.</i>		
Must Use	PD03	C001	Composite Unit of Measure		M
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
Must Use	C00101	355	Unit or Basis for Measurement Code		M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			<i>Any code, other than code ZZ, may be used but the following codes are preferred.</i>		
			A8 Dollars per Hours		

If the offer is in a currency other than US dollars, this code is also used to indicate that currency.

DO Dollars, U.S.

HR Hours

M4 Monetary Value

Use to indicate the monetary unit specified in CUR03 of the 1/CUR/040 segment when CUR01 is code C5.

P1 Percent

Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used	C00102	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00103	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00104	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00105	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00106	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00107	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00108	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00109	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00110	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00111	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00112	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00113	355	Unit or Basis for Measurement Code	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00114	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00115	649	Multiplier	O R 1/10

			Value to be used as a multiplier to obtain a new value	
Must Use	PD04	380	Quantity Numeric value of quantity <i>Use to identify the length of the period of time specified in PD01. For example: If the proposing party wanted to indicate the hourly rate for a specific labor category for a two year period, the PD01 would carry code CY for calendar year, PD02 would carry the beginning year, e.g. 19940101, PD03-1 would carry code A8 for dollars per hour, and PD04 would carry the number 2.</i>	M R 1/15
Must Use	PD05	93	Name Free-form name <i>Use to provide an abbreviated name for the labor category or other category to which the data being provided pertains.</i>	M AN 1/60
	PD06	352	Description A free-form description to clarify the related data elements and their content <i>Use to identify the full description of the abbreviated name provided in PD05.</i>	O AN 1/80
	PD07	1196	Breakdown Structure Detail Code Codes identifying details relating to a reporting breakdown structure tree 26 Recurring Costs that will incur continually over the life of the contract 27 Nonrecurring Costs that will only be incurred once	O ID 2/2
	PD08	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O AN 1/30
Not Used	PD09	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80
	PD10	1401	Proposal Data Detail Identifier Code Code identifying the basis of a cited value in a proposal <i>1. Use to qualify the data being provided.</i> <i>2. Use any code.</i> Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/3

Segment: **PDD** Pricing Data Detail
Position: 393
Loop: PD Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To provide the rates, direct input, and pricing factors for each element of work, cross-referenced to an applicable request or submission
Syntax Notes: 1 At least one of PDD02 PDD03 or PDD04 is required.
Semantic Notes: 1 PDD01 is a sequential number assigned by the initiator.

Comments:

- Notes:**
1. Use this segment to provide the actual data related to the item or category identified in the preceding PD segment.
 2. Each occurrence of this segment may contain an entry in PDD02, or PDD03 or PDD04 but not in more than 1.
 3. The number of occurrences of this PDD segment within each PD loop must equal the number cited in PD04 for each iteration of the PD loop.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Must Use	PDD01	350	Assigned Identification	M AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set		
		<i>A unique and progressive sequence number (starting with the number "1") assigned by the offeror.</i>		
	PDD02	380	Quantity	X R 1/15
		Numeric value of quantity		
		<i>Only use when PD03 is code HR.</i>		
	PDD03	782	Monetary Amount	X R 1/18
		Monetary amount		
		<i>Only use when PD03 is code A8 or DO.</i>		
	PDD04	954	Percent	X R 1/10
		Percentage expressed as a decimal		
		<i>1. Only use when PD03 is code P1.</i>		
		<i>2. Percents will be cited as a 4 position number with a decimal between positions 2 and 3.</i>		
	PDD05	1401	Proposal Data Detail Identifier Code	O ID 1/3
		Code identifying the basis of a cited value in a proposal		
		<i>Use any code.</i>		
		Refer to 004010 Data Element Dictionary for acceptable code values.		

Segment: **LDT** Lead Time
Position: 394
Loop: LDT Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify lead time for availability of products and services
Syntax Notes:
Semantic Notes: 1 LDT04 is the effective date of lead time information.
Comments: 1 LDT02 is the quantity of unit of time periods.
Notes:

1. Use this segment to identify lead times that apply to a specific line item.
2. Codes used at this location, may not be used in the 1/LDT/160 segment.
3. Use this segment when the offer differs from the solicitation requirements or to provide information essential to the offer.

Data Element Summary

Ref.	Data			Attributes
Des.	Element	Name		
Must Use	LDT01	345	Lead Time Code	M ID 2/2
			Code indicating the time range	
		AD	From date of sample approval to first product shipment	
		AE	From date of PO receipt to shipment	
		AF	From date of PO receipt to delivery	
		AH	From Date of Receipt of First Article to First Article Approval	
		AI	From Date of a Specified Event to Delivery	
			<i>Use to identify a lead time for delivery that is based upon the specific event identified in the 2/MSG/396 segment.</i>	
		AP	From Date of Award to Midpoint of Effort	
		AV	From Date of Award to Date of Latest Delivery	
		AW	From Date of Award to Date of Earliest Delivery	
		AX	From Date of Award to Date of Completion	
			<i>Use to indicate the completion date, e.g., for a level of effort.</i>	
		AY	From Date of Award to Date of Delivery	
		AZ	From Date of Receipt of Item to Date of Approval of Item	
		BD	From Date of Award to Date of Option Exercise	
		BG	From Date of a Specified Event to Date of Option Exercise	

Identify the specified event in the 2/MSG/396 segment.

Must Use	LDT02	380	Quantity	M R 1/15
			Numeric value of quantity	
Must Use	LDT03	344	Unit of Time Period or Interval	M ID 2/2
			Code indicating the time period or interval	
			DA Calendar Days	
			DW Work Days	
			MO Month	
Not Used	LDT04	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	

Segment: **MSG** Message Text

Position: 396

Loop: LDT Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To provide a free-form format that allows the transmission of text information

Syntax Notes: 1 If MSG03 is present, then MSG02 is required.

Semantic Notes: 1 MSG03 is the number of lines to advance before printing.

Comments: 1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
2 If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.

Notes: 1. *When LDT01 is code AI orBG, use to identify the specified event.*
2. *Use this segment when the quote differs from the solicitation requirements or to provide information essential to the quote.*

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264
Not Used	MSG02	934	Printer Carriage Control Code A field to be used for the control of the line feed of the receiving printer	X ID 2/2
Not Used	MSG03	1470	Number A generic number	O N0 1/9

Segment: **LM** Code Source Information
Position: 397
Loop: LM Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit standard code list identification information
Syntax Notes:
Semantic Notes:
Comments: 1 LM02 identifies the applicable industry code list source information.
Notes:

1. Use this loop to provide the codes from DoD 5010.12-M that identify the frequency of delivery for a CDRL data item.
2. Use this segment when the offer differs from the solicitation requirements or to provide information essential to the offer.

Data Element Summary				
	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	LM01	559	Agency Qualifier Code	M ID 2/2
			Code identifying the agency assigning the code values	
			DF Department of Defense (DoD)	
	LM02	822	Source Subqualifier	O AN 1/15
			A reference that indicates the table or text maintained by the Source Qualifier	

Segment: **LQ** Industry Code
Position: 398
Loop: LM Optional
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: Code to transmit standard industry codes
Syntax Notes: 1 If LQ01 is present, then LQ02 is required.
Semantic Notes:
Comments:

Notes: *Use this segment when the offer differs from the solicitation requirements or to provide information essential to the offer.*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
LQ01	1270	Code List Qualifier Code	O ID 1/3
		Code identifying a specific industry code list	
		FX Frequency	
		<i>Use to indicate the frequency of delivery code for a data item deliverable on a Contract Data Requirements List (DD Form 1423).</i>	
LQ02	1271	Industry Code	X AN 1/30
		Code indicating a code from a specific industry code list	

Segment: **N9** Reference Identification
Position: 400
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Syntax Notes:

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 N906 reflects the time zone which the time reflects.
- 2 N907 contains data relating to the value cited in N902.

Comments:

- Notes:**
1. *Use this to provide required information that is applicable to a specific line item. When the information is applicable to the entire offer, use the 1/N9/290 loop.*
 2. *Use this loop to provide certifications, representations and other fill-in information, as required in the solicitation (RRA segment) 840 transaction set, that is not provided elsewhere in the transaction set; to specify exceptions (BQR06 is code BW) being taken to some item in the solicitation that cannot be provided elsewhere in the transaction set, and to provide reference numbers that apply to a line item.*
 3. *When citing a clause in N902, the date of the clause MUST be cited in N904 and the title of the clause may be optionally cited in the following MSG segment. If an alternate is cited in N907-1/N907-2, the date of the alternate MUST be cited in the 2/DTM/405 segment citing code 102 in DTM01.*
 4. *Use this segment when the offer differs from the solicitation requirements or to provide information essential to the offer.*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N901	128	Reference Identification Qualifier

Code qualifying the Reference Identification

2Y Wage Determination

Use to indicate a Department of Labor Wage Determination number. Use if the Wage Determination is identified by reference only or to identify the Wage Determination if it is provided by some other means identified in the 1/PWK/210 segment.

73	Statement of Work (SOW) Description of a product or service to be procured under a contract; statement of requirements <i>If a Statement of Work is included with the offer, the PWK segment can be used to indicate how the SOW is being provided.</i>
87	Functional Category An organization or groups of organizations with a common operational orientation such as Quality Control Engineering, etc <i>Use to indicate an exception is being taken to the North American Industry Classification System code applicable to the solicitation. When used, the offeror should cite the NAIS code considered appropriate.</i>
97	Package Number A serial number indicating unit shipped
ADA	Agency for International Development Acquisition Regulation (AIDAR)
AH	Agreement Number <i>Use to indicate a Union Agreement number.</i>
CH	Customer catalog number
CJ	Clause Number <i>Use to indicate a clause other than a clause found in the FAR, DFARS, a Civilian Agency FAR supplement, etc. Identify the organization issuing the clause in N907-1 citing either code DUN or DX.</i>
CT	Contract Number <i>Use to indicate a contract or agreement other than a Federal Supply Schedule (FSS) from which the offered item can be ordered. Enter the contract number in N902 and explain the nature of the contract in N903, if necessary. Provide the line item number of the item in the contract in N907 citing code C7. Also cite the expiration date of the contract in the 1/DTM/295 segment.</i>
DF	Defense Federal Acquisition Regulations (DFAR)
DG	Drawing Number
DHH	Department of Health and Human Services Acquisition Regulation (HHSAR)
DOA	Department of Agriculture Acquisition Regulation (AGAR)
DOC	Department of Commerce Acquisition Regulation (CAR)

DOE	Department of Energy Acquisition Regulation (DEAR)
DOI	Department of Interior Acquisition Regulation (DIAR)
DOJ	Department of Justice Acquisition Regulation (JAR)
DOL	Department of Labor Acquisition Regulation (DOLAR)
DOS	Department of State Acquisition Regulation (DOSAR)
DOT	Department of Transportation Acquisition Regulation (TAR)
DTS	Department of the Treasury Acquisition/Procurement Regulation (TAPR)
EC	Circular <i>Use to indicate an Office of Management and Budget (OMB) Circular number.</i>
EDA	Department of Education Acquisition Regulation (EDAR)
EPA	Environmental Protection Agency Acquisition Regulation (EPAAR)
FA	Federal Acquisition Regulations (FAR)
GS	General Services Administration Regulations (GSAR)
HT	Code of Federal Regulations
HUD	Department of Housing and Urban Development Acquisition Regulation (HUDAR)
IJ	Standard Industry Classification (SIC) Code <i>Use to indicate an exception is being taken to the Standard Industrial Classification (SIC) code applicable to the solicitation. When used, the offeror should cite the SIC code considered appropriate.</i>
KR	Response to a Request for Quotation Reference A discrete number assigned for identification purpose to a response to a request for quotation <i>Use to indicate fill-in information required by the citation in N902 is being provided in the following MSG segment.</i>
KT	Request for Quotation Reference A discrete number assigned for identification purposes to a request for quotation <i>When BQR06 is code BW, use to indicate exceptions are being taken to items in the solicitation and are specified in the following MSG segment. Insert the word "Exception" in N903 when this code is used.</i>

KY	<p>Site Specific Procedures, Terms, and Conditions</p> <p>A set of procedures, terms, and conditions, applicable to a category of procurement emanating from a specific location, which will be incorporated into all procurement actions in that category by referencing its unique number rather than by incorporating the lengthy details it represents</p>
KZ	<p>Master Solicitation Procedures, Terms, and Conditions</p> <p>A set of standard procedures, terms, and conditions, applicable to a category of procurement, which will be incorporated into all procurement actions in that category by referencing its unique number rather than by incorporating the lengthy details it represents</p> <p><i>Use to indicate the Master Solicitation number that contains terms and conditions that pertain to the solicitation.</i></p>
L1	<p>Letters or Notes</p> <p><i>Use to indicate general information, comments, or notes are being provided by the bidder in the following MSG segment. Insert the word "Note" in N903 when this code is used.</i></p>
LT	Lot Number
LX	<p>Qualified Products List</p> <p><i>Use to indicate the Qualified Products List (QPL) number where the offered item can be found.</i></p>
MU	Military Specification (MILSPEC) Number
NAS	National Aeronautics and Space Administration FAR Supplement (NFS)
NI	Military Standard (MIL-STD) Number
P4	<p>Project Code</p> <p><i>Use to indicate the project number applicable to the solicitation.</i></p>
PRT	<p>Product Type</p> <p><i>1. Use to indicate the material condition of the item being offered in accordance with FAR 52.211-5. When this code is used, cite an appropriate code from section S of Federal Procurement Code List 1 (FP1) in N902.</i></p> <p><i>2. If the item being offered is a former Government surplus item, identify the Agency from which the item was acquired in N907 citing either code DUN or DX, and provide the acquisition date in the 2/DTM/405 segment. If the</i></p>

Agency cannot be identified by a code in N907, use N903 to provide the Agency's text name.

*3. If the item being offered is a used, reconditioned, or remanufactured item, a detailed description is **REQUIRED** to be provided in the 2/MSG/410 segment.*

QC Product Specification Document Number
Model designation of replacement component

S3 Specification Number
Use to indicate a specification number other than a Military Specification (MIL-SPEC). When used, cite the specification number in N902 and identify the issuing activity by citing either code DUN or DX in N907-1 or by its text name in N903.

TN Transaction Reference Number
1. Use to indicate the unique reference number of a related transaction set (e.g. an 841 transaction set carrying a technical specification or a drawing). Each transaction set has a unique number. In the case of an 841 transaction set, that number is carried in SPI02.

2. When used, cite the related transaction set's unique number in N902 and cite the X12 transaction set designator (841) of the related transaction set in N907-1 using code 7U.

TP Test Specification Number

VB Department of Veterans Affairs Acquisition Regulations (VAAR)

VW Standard

Use to indicate a standard other than a MIL-STD). When used, cite the standard number in N902, e.g., ASTM D3951, and, if necessary, further identify the standard in N903.

W6 Federal Supply Schedule Number
Identifies an item with a two-digit group number, two-digit part number, and one-character section letter
Use to indicate the Federal Supply Schedule (FSS) in which the offered item can be found and provide the schedule number in N902. Provide the FSS special item number of the item in the FSS in N907 citing code IX, if necessary. Also provide the expiration date of the FSS in the 1/DTM/295

			<i>segment.</i>	
		XY	Other Unlisted Type of Reference Number	
			<i>Use to indicate any other reference that cannot be identified by a listed qualifier code. Indicate the source of the reference in N903 and use the following MSG segment, if necessary, to pass text.</i>	
N902	127	Reference Identification	X AN 1/30	
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
N903	369	Free-form Description	X AN 1/45	
		Free-form descriptive text		
		<p><i>1. When N901 is code KT, cite the word "Exception; when N901 is code LI, cite the word "Note".</i></p> <p><i>2. When N901 is code CJ, identify the purchasing activity or agency issuing the clause cited in N902 if it cannot be identified by a code in N907.</i></p> <p><i>3. When N901 is code PRT, identify the agency from which a former Government surplus item was acquired if the agency cannot be identified by a code in N907.</i></p> <p><i>4. When N901 is code CT, identify the nature of the contract, if necessary.</i></p> <p><i>5. When N901 is code XY, identify the source of the reference.</i></p> <p><i>6. In all instances, use the following MSG segment for text, if necessary.</i></p>		
N904	373	Date	O DT 8/8	
		Date expressed as CCYYMMDD		
		<p><i>1. Use to identify the issue date applicable to the reference cited in N901. For clauses that have a date expressed only as a month and year, the DD (day) portion of the date is always 01.</i></p> <p><i>2. For additional dates applicable to the N901 reference, use the 2/DTM/405.</i></p>		
Not Used	N905	337	Time	X TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
Not Used	N906	623	Time Code	O ID 2/2
		Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an		

indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

	N907	C040	Reference Identifier	O
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	
			<i>Use this composite data element to identify references that are associated with the reference identified in N901, e.g., an alternate clause number, a sheet of a drawing, etc.</i>	
Must Use	C04001	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			2G	Amendment
			7M	Frame
				<i>Use in conjunction with N901 code DG.</i>
			7P	Sheet
				<i>Use in conjunction with N901 code DG.</i>
			7S	Drawing Type
				<i>Use in conjunction with N901 code DG.</i>
			7U	Related Transaction Reference Number
				<i>Use in conjunction with N901 code TN to indicate the X12 designation (e.g., 841) of the related transaction set.</i>
			8Z	Alternate Clause Number
			C7	Contract Line Item Number
				<i>Use in conjunction with N901 code CT.</i>
			DUN	D-U-N-S Number Dun & Bradstreet
				<i>Use in conjunction with N901 codes CJ, PRT, or S3.</i>
			DX	Department/Agency Number
				<i>Use in conjunction with N901 code CJ, PRT or S3 to indicate a Department of Defense or Civilian Agency Activity Address Code.</i>
			IX	Item Number
				<i>Use in conjunction with N901 code W6 to indicate a Federal Supply Schedule (FSS) special item number.</i>
			W8	Suffix
				Differentiates between partial actions taken on the original transaction
			YB	Revision Number
Must Use	C04002	127	Reference Identification	M AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

C04003	128	Reference Identification Qualifier	X ID 2/3
		Code qualifying the Reference Identification	
		7M Frame	
		7P Sheet	
		7S Drawing Type	
C04004	127	Reference Identification	X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
C04005	128	Reference Identification Qualifier	X ID 2/3
		Code qualifying the Reference Identification	
		7M Frame	
		7P Sheet	
		7S Drawing Type	
C04006	127	Reference Identification	X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment: **DTM** Date/Time Reference

Position: 405

Loop: N9 Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify pertinent dates and times

- Syntax Notes:**
- 1 At least one of DTM02 DTM03 or DTM05 is required.
 - 2 If DTM04 is present, then DTM03 is required.
 - 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:

Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			007	Effective
				<i>Use to indicate the effective date applicable to a reference cited in N901.</i>
			036	Expiration
				Date coverage expires
				<i>Use to indicate the effective date applicable to a reference cited in N901.</i>
			102	Issue
				<i>Use to indicate the effective date applicable to a reference cited in N901.</i>
			171	Revision
				<i>Use in conjunction with N907-1 code YB.</i>
			615	Date Acquired
				<i>Use in conjunction with N901 code PRT, if required.</i>
	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
			<i>When N907-1 is code 8Z and DTM01 is code 102, the DD (day) portion of the date is always 01.</i>	
Not Used	DTM03	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	

Not Used	DTM04	623	Time Code	O ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
Not Used	DTM05	1250	Date Time Period Format Qualifier	X ID 2/3
			Code indicating the date format, time format, or date and time format	
Not Used	DTM06	1251	Date Time Period	X AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times	

Segment:	MSG Message Text
Position:	410
Loop:	N9 Optional
Level:	Detail
Usage:	Optional
Max Use:	1000
Purpose:	To provide a free-form format that allows the transmission of text information
Syntax Notes:	1 If MSG03 is present, then MSG02 is required.
Semantic Notes:	1 MSG03 is the number of lines to advance before printing.
Comments:	<p>1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.</p> <p>2 If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.</p>
Notes:	<p><i>1. This segment may be used when N901 is code KR, to provide a certification, representation or other fill-in information required by the clause or paragraph number cited in N902; when N901 is code L1 to provide general comments or notes; when N901 is code KT, to identify exceptions being taken to some portion of the solicitation; or whenever text information is necessary.</i></p> <p><i>2. When providing a certification, representation or other fill-in information, the following format is recommended:</i></p> <p style="padding-left: 40px;"><i>a) In the first iteration of the segment, cite the clause title followed by a pipe sign to indicate the end of the title information, then cite the number of fill-ins followed by a second pipe sign to indicate the end of the title segment.</i></p> <p style="padding-left: 40px;"><i>b) For each fill-in, begin a new MSG segment using the sequence in which the fill-ins appear within the clause. These MSG segments may each begin with a number indicating the fill-in's sequence position. End each fill-in with a pipe sign. If multiple iterations of MSG are required for a long fill-in, end only the last MSG segment of that fill-in with the pipe sign.</i></p> <p><i>3. The purpose of the pipe sign () is to provide an indication to receiving applications that the data string related to a single entry has been completed.</i></p> <p><i>An example of a clause with 3 fill-ins follows:</i></p> <p style="padding-left: 40px;"><i>MSG*Taxpayer Identification 3/</i> <i>MSG*1. TIN has been applied for </i> <i>MSG*2. Other corporate entity </i> <i>MSG*3. Offeror is not owned or controlled by a common parent as identified in paragraph (a) of this clause </i></p> <p><i>4. An example alternative format provides all fill-in information within the title MSG segment as follows:</i></p> <p style="padding-left: 40px;"><i>MSG*Taxpayer Identification 3/ TIN has been applied for Other corporate</i></p>

entity/ Offeror is not owned or controlled by a common parent as identified in paragraph (a) of this clause/

5. Use this segment to provide information essential to the offer.

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264
Not Used	MSG02	934	Printer Carriage Control Code A field to be used for the control of the line feed of the receiving printer	X ID 2/2
Not Used	MSG03	1470	Number A generic number	O N0 1/9

Segment:	N1 Name
Position:	420
Loop:	N1 Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of N102 or N103 is required. 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	<ol style="list-style-type: none"> 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party. 2 N105 and N106 further define the type of entity in N101.
Notes:	<ol style="list-style-type: none"> 1. <i>Use this loop to provide address information related to a specific line item. Use the 1/N1/310 loop to provide address information that is applicable to all of the line items. Persons affiliated with organizations may be identified in the 2/PER/470 segment.</i> 2. <i>Use of N101, N103, and N104 is REQUIRED to identify organizations or locations. Names and addresses, in text, may be additionally provided using segments N2 through N4. Use of text is discouraged.</i> 3. <i>Use this segment to provide information essential to the offer.</i> 4. <i>Codes used in N101 at this location may not be used in the 1/N1/310 segment.</i>

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		28 Subcontractor	
			<i>Use, if applicable, to provide the name and address of a subcontractor.</i>
		56 Servicing Dealer	
			<i>Use to indicate a dealer who services a product. This is the location where a product is taken to obtain service such as a repair.</i>
		61 Performed At	
		The facility where work was performed	
			<i>Use to indicate additional places of performance, if applicable.</i>
		DL Dealer	

			<i>Use to indicate a dealer or reseller of products.</i>
DS			Distributor
			<i>Use to indicate a distributor of products.</i>
IF			International Freight Forwarder
IS			Party to Receive Certified Inspection Report
KF			Audit Office
			The office performing the audit
KG			Project Manager
			The address of the person responsible for the management of a designated project
			<i>Use to indicate the selling party's representative for a project.</i>
KH			Organization Having Source Control
			Organization controlling the design and manufacturing process of a product
			<i>When BQR06 is code AB, use to identify the organization having source control of the product offered.</i>
KY			Technical Office
MF			Manufacturer of Goods
			<i>Use either to identify the actual manufacturer of the item if not the offeror or if a qualification requirement applied to the solicited item to specify the manufacturer that has already met the qualification requirement.</i>
ST			Ship To
			<i>Use this code when a different delivery schedule associated with a named entity is being proposed.</i>
SV			Service Performance Site
			When services are contracted for, this describes the organization for whom or location address at which those services will be performed
			<i>Use to indicate the location where a service is provided.</i>
X2			Party to Perform Packaging
			A party responsible for packaging an item after it has been produced

Not Rec	N102	93	Name	X	AN 1/60
			Free-form name		
Must Use	N103	66	Identification Code Qualifier	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
		1	D-U-N-S Number, Dun & Bradstreet		

				<i>Use of the DUNS or DUNS+4 number is preferred over other codes to identify an entity.</i>
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
				<i>Use of the DUNS or DUNS+4 number is preferred over other codes to identify an entity.</i>
		10	Department of Defense Activity Address Code (DODAAC)	
				<i>Use to indicate a DoD or Civilian Agency Activity Address Code.</i>
		33	Commercial and Government Entity (CAGE)	
				<i>Use to indicate a commercial entity.</i>
Must Use	N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code	
Not Used	N105	706	Entity Relationship Code	O ID 2/2
			Code describing entity relationship	
Not Used	N106	98	Entity Identifier Code	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	

Segment: **N2** Additional Name Information
Position: 430
Loop: N1 Optional
Level: Detail
Usage: Optional (Not Recommended)
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	N201	93	Name	M AN 1/60
			Free-form name	
	N202	93	Name	O AN 1/60
			Free-form name	

Segment: **N3** Address Information
Position: 440
Loop: N1 Optional
Level: Detail
Usage: Optional (Not Recommended)
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	N301	166	Address Information Address information	M AN 1/55
	N302	166	Address Information Address information	O AN 1/55

Segment: **N4 Geographic Location**
Position: 450
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name	O AN 2/30
		Free-form text for city name	
		<i>When the address is a military overseas post office, cite APO or FPO as appropriate to identify an Army Post Office (APO) or Fleet Post Office (FPO).</i>	
N402	156	State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
		<i>Use codes AA (Armed Forces Americas), AE (Armed Forces Europe), or AP (Armed Forces Pacific) as appropriate for the military overseas post office.</i>	
N403	116	Postal Code	O ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
N404	26	Country Code	O ID 2/3
		Code identifying the country	
		<i>Cite the two position ISO 3166 country code.</i>	
Not Used	N405	309 Location Qualifier	X ID 1/2
		Code identifying type of location	
Not Used	N406	310 Location Identifier	O AN 1/30
		Code which identifies a specific location	

Segment: **PER** Administrative Communications Contact

Position: 470

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: 3

Purpose: To identify a person or office to whom administrative communications should be directed

- Syntax Notes:**
- 1 If either PER03 or PER04 is present, then the other is required.
 - 2 If either PER05 or PER06 is present, then the other is required.
 - 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

Notes: *When N101 is code KH or MF, use of this segment is **REQUIRED** to identify points of contacts within the manufacturing entity who has design control or who is manufacturing an equal or substitute item.*

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
Must Use	PER01	366	Contact Function Code	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
		IC	Information Contact	
			<i>Use with an applicable N101 code to indicate an information point of contact when no other code applies.</i>	
		ME	Manufacturing	
			<i>When N101 is code MF, use to indicate the manufacturing point of contact.</i>	
		PP	Program Manager	
			<i>Use in conjunction with N101 code KG.</i>	
		SU	Supplier Contact	
			<i>When N101 is code KH, use to indicate the contact point for a supplier who has design control over a manufactured item.</i>	
PER02	93	Name		O AN 1/60
			Free-form name	
			<i>Use to identify the name of a point of contact. Last name followed by first name is preferred. If the whole name is longer than 35 characters, the use of initials for the first name is recommended. PER09 may be used to cite the party's title.</i>	
PER03	365	Communication Number Qualifier		X ID 2/2
			Code identifying the type of communication number	

		TE	Telephone	
PER04	364	Communication Number	X	AN 1/80
		Complete communications number including country or area code when applicable		
		<i>The telephone number shall be transmitted as a continuous number with no extraneous characters. Include the country code and area code. If an extension applies to the telephone number, concatenate the letter X plus the extension at the end of the number, e.g., 17035551212X123.</i>		
PER05	365	Communication Number Qualifier	X	ID 2/2
		Code identifying the type of communication number		
		FX	Facsimile	
PER06	364	Communication Number	X	AN 1/80
		Complete communications number including country or area code when applicable		
		<i>The fax number shall be transmitted as a continuous number with no extraneous characters. Include the country code and area code.</i>		
PER07	365	Communication Number Qualifier	X	ID 2/2
		Code identifying the type of communication number		
		EM	Electronic Mail	
PER08	364	Communication Number	X	AN 1/80
		Complete communications number including country or area code when applicable		
PER09	443	Contact Inquiry Reference	O	AN 1/20
		Additional reference number or description to clarify a contact number		
		<i>Use, if necessary, to provide the title of the individual cited in PER02.</i>		

Segment: **SCH** Line Item Schedule

Position: 485

Loop: N1 Optional

Level: Detail

Usage: Optional

Max Use: 200

Purpose: To specify the data for scheduling a specific line-item

Syntax Notes:

- 1 If SCH03 is present, then SCH04 is required.
- 2 If SCH08 is present, then at least one of SCH09 or SCH10 is required.
- 3 If SCH09 is present, then SCH08 is required.
- 4 If SCH10 is present, then SCH08 is required.

Semantic Notes: 1 SCH12 is the schedule identification.

Comments: 1 SCH05 specifies the interpretation to be used for SCH06 and SCH07.

Notes: 1. *Use this segment to identify a partial delivery when it can be specified as an actual date and is applicable to a named entity.*

2. *Use this segment when the offer differs from the solicitation requirements or to provide information essential to the offer.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SCH01	380	Quantity		M R 1/15
			Numeric value of quantity		
Must Use	SCH02	355	Unit or Basis for Measurement Code		M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			1. <i>Use any code other than code ZZ..</i>		
			2. <i>An application program conversion table may be required to convert agency codes to X12 codes.</i>		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	SCH03	98	Entity Identifier Code		O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
Not Used	SCH04	93	Name		X AN 1/60
			Free-form name		
Must Use	SCH05	374	Date/Time Qualifier		M ID 3/3
			Code specifying type of date or time, or both date and time		
		075	Promised for Delivery (Prior to and Including)		
			Use to indicate the date on or before which the offeror proposes to make delivery.		
Must Use	SCH06	373	Date		M DT 8/8
			Date expressed as CCYYMMDD		

Not Used	SCH07	337	Time	O TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
Not Used	SCH08	374	Date/Time Qualifier	X ID 3/3
			Code specifying type of date or time, or both date and time	
Not Used	SCH09	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
Not Used	SCH10	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
Not Used	SCH11	326	Request Reference Number	O AN 1/45
			Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number)	
Not Used	SCH12	350	Assigned Identification	O AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set	

Segment: **LDT** Lead Time
Position: 550
Loop: LDT Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify lead time for availability of products and services

Syntax Notes:

Semantic Notes: 1 LDT04 is the effective date of lead time information.

Comments: 1 LDT02 is the quantity of unit of time periods.

Notes:

1. Use this loop if the offered delivery schedule is expressed as a set time period after the occurrence of some event and the ship-to address differs by line item. If the delivery schedule is the same for all ship-to addressees for the line item, use the 2/LDT/394 loop.

2. Use this segment when the offer differs from the solicitation requirements or to provide information essential to the offer.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	LDT01	345 Lead Time Code	M ID 2/2
		Code indicating the time range	
		AY From Date of Award to Date of Delivery	
Must Use	LDT02	380 Quantity	M R 1/15
		Numeric value of quantity	
Must Use	LDT03	344 Unit of Time Period or Interval	M ID 2/2
		Code indicating the time period or interval	
		DA Calendar Days	
		MO Month	
Not Used	LDT04	373 Date	O DT 8/8
		Date expressed as CCYYMMDD	

Segment:	QTY Quantity
Position:	570
Loop:	LDT Optional
Level:	Detail
Usage:	Optional
Max Use:	5
Purpose:	To specify quantity information
Syntax Notes:	1 At least one of QTY02 or QTY04 is required. 2 Only one of QTY02 or QTY04 may be present.
Semantic Notes:	1 QTY04 is used when the quantity is non-numeric.
Comments:	
Notes:	1. Use this segment to specify the quantity of the item that is to be delivered in accordance with a lead time. 2. Use this segment when the offer differs from the solicitation requirements or to provide information essential to the offer.

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	QTY01	673	Quantity Qualifier	M ID 2/2
			Code specifying the type of quantity	
			1J Due	
			The amount due to the customer	
			<i>Use to indicate the quantity to be delivered.</i>	
	QTY02	380	Quantity	X R 1/15
			Numeric value of quantity	
	QTY03	C001	Composite Unit of Measure	O
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
Must Use	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			1. Use any code other than code ZZ. 2. An application program conversion table may be required to convert agency codes to ASC X12 codes.	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C00102	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00103	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00104	355	Unit or Basis for Measurement Code	O ID 2/2

			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	C00105	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00106	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00107	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00108	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00109	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00110	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00111	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00112	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	C00113	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O ID 2/2
Not Used	C00114	1018	Exponent Power to which a unit is raised	O R 1/15
Not Used	C00115	649	Multiplier Value to be used as a multiplier to obtain a new value	O R 1/10
Not Used	QTY04	61	Free-Form Message Free-form information	X AN 1/30

Segment: **AMT** Monetary Amount
Position: 590
Loop: AMT Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:

Notes: *1. Use this segment to specify amounts associated with incentive, award fee, fixed-fee, or cost sharing line items.*

3. The following table identifies how each code listed in AMT01 is to be used depending on the code cited in CN101 of the 840 transaction set to which this offer is responding.

COST, FEE, AND PRICE EXPRESSION TABLE

<i>CN101 Code</i>	<i>AMT01 Code</i>	<i>AMT01 Code Use</i>
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<i>CA/CY</i>	<i>33</i>	<i>Target Cost</i>
<i>CA/CY</i>	<i>32</i>	<i>Target Fee</i>
<i>CA/CY</i>	<i>AEG</i>	<i>Minimum Fee</i>
<i>CA/CY</i>	<i>AEH</i>	<i>Maximum Fee</i>
<i>CH</i>	<i>FQ</i>	<i>Contractor Firm Share</i>
<i>CH</i>	<i>FR</i>	<i>Estimated Government Share</i>
<i>CS</i>	<i>N/A</i>	<i>Use the 3/AMT/020 segment, code TT</i>
<i>CW/CX</i>	<i>33</i>	<i>Cost</i>
<i>CW</i>	<i>AEF</i>	<i>Base Fee</i>
<i>CW</i>	<i>AEE</i>	<i>Award Fee</i>
<i>CX</i>	<i>FE</i>	<i>Fixed Fee</i>
<i>FB/FC</i>	<i>33</i>	<i>Target Cost</i>
<i>FB/FC</i>	<i>32</i>	<i>Target Profit</i>
<i>FB/FC</i>	<i>30</i>	<i>Price Ceiling</i>
<i>FD</i>	<i>N/A</i>	<i>For fixed-price contracts with prospective price redetermination, use the 3/AMT/020 segment, code 29 for contract total amount; and use the 2/AMT/590 segment code 1 for Firm Fixed Price Line Items, and code 29 when for redeterminable line items without a ceiling price or code 30 for redeterminable line items with a ceiling price.</i>

<i>FM</i>	<i>N/A</i>	<i>For fixed-price contracts with retroactive price redetermination, use the 3/AMT/020 segment, code 30 for contract ceiling price; and use the 2/AMT/590 segment code 30 for fixed ceiling price if items subject to differing contract type are present in the same contract.</i>
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<i>FF/FG</i>	<i>ZQ</i>	<i>Initial Target Cost</i>
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FF/FG	K4	Initial Target Profit
FF/FG	AEH	Target Profit Ceiling
FF/FG	AEG	Target Profit Floor
FF/FG	30	Ceiling Price
FH	33	Fixed Price
FH	AEF	Base Fee
FH	AEE	Award Fee
FJ/FX/LH/TM	N/A	Use the 2/AMT/590 segment, code 1 for fixed price line items; and the 3/AMT/020 segment, code TT for contract total amount
FK	N/A	No cost or price information required

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
Must Use	AMT01	522	Amount Qualifier Code
			M ID 1/3
		Code to qualify amount	
		1	Line Item Total
			<i>Use to indicate the total amount of a line item.</i>
		29	Estimated Price
			The latest revised estimate of the total cost at complete for a contract
		30	Contract Ceiling
			The ceiling price applicable to defined effort
		32	Target Fee or Profit Amount
			The fee (can also be percent) of profit that will apply to defined contract effort
		33	Original Contract Target Cost
			Value of the original negotiated contract
		AEE	Award Fee
		AEF	Base Fee
		AEG	Target Profit Floor
		AEH	Target Profit Ceiling
		FE	Fee
		FQ	Firm Contractor Share
			<i>Use when CN101 in the 840 TS to which this offer is responding is code CA, CY, FB, FC, FF, or FG, as applicable.</i>
		FR	Estimated Government Share
			<i>Use when CN101 in the 840 TS to which this offer is responding is code CA, CY, FB, FC, FF, or FG, as applicable.</i>
		K4	Initial Target Fee

			ZQ	Initial Target Cost	
Must Use	AMT02	782	Monetary Amount		M R 1/18
			Monetary amount		
Not Used	AMT03	478	Credit/Debit Flag Code		O ID 1/1
			Code indicating whether amount is a credit or debit		

Segment: **CTT Transaction Totals**

Position: 010

Loop: CTT Optional

Level: Summary

Usage: Optional

Max Use: 1

Purpose: To transmit a hash total for a specific element in the transaction set

Syntax Notes: 1 If either CTT03 or CTT04 is present, then the other is required.

2 If either CTT05 or CTT06 is present, then the other is required.

Semantic Notes:

Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	CTT01	354 Number of Line Items	M N0 1/6
		Total number of line items in the transaction set	
	CTT02	347 Hash Total	O R 1/10
		Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.	
		<i>This is the sum of the quantities (PO102) for all PO1 segments.</i>	
Not Used	CTT03	81 Weight	X R 1/10
		Numeric value of weight	
Not Used	CTT04	355 Unit or Basis for Measurement Code	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	CTT05	183 Volume	X R 1/8
		Value of volumetric measure	
Not Used	CTT06	355 Unit or Basis for Measurement Code	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	CTT07	352 Description	O AN 1/80
		A free-form description to clarify the related data elements and their content	

Segment: **AMT** Monetary Amount
Position: 015
Loop: CTT Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:
Notes: *Use this segment to identify the total amount of the offer.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	AMT01	522	Amount Qualifier Code	M ID 1/3
			Code to qualify amount	
		29	Estimated Price	
			The latest revised estimate of the total cost at complete for a contract	
			<i>Use to indicate the total amount of the offer is an estimate.</i>	
		TT	Total Transaction Amount	
			<i>Use to indicate the total amount of the offer when it is not an estimate.</i>	
Must Use	AMT02	782	Monetary Amount	M R 1/18
			Monetary amount	
Not Used	AMT03	478	Credit/Debit Flag Code	O ID 1/1
			Code indicating whether amount is a credit or debit	

Segment: **SE** Transaction Set Trailer
Position: 020
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Syntax Notes:
Semantic Notes:
Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	SE01	96 Number of Included Segments	M N0 1/10
		Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329 Transaction Set Control Number	M AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
		<i>This is the same number as appears in ST02.</i>	